Full wwPDB NMR Structure Validation Report (i)

Mar 5, 2026 – 07:53 PM UTC

PDB ID	:	5LME / pdb_00005lme
BMRB ID	:	34028
Title	:	Specific-DNA binding activity of the cross-brace zinc finger motif of the piggyBac transposase
Authors	:	Morellet, N.; Taylor, J.A.; Wieninger, S.; Moriau, S.; Li, X.; Lescop, E.; Mathy, N.; Bischerour, J.; Betermier, M.; Bardiaux, B.; Nilges, M.; Craig, N.L.; Hickman, A.B.; Dyda, F.; Guittet, E.
Deposited on	:	2016-07-30

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 (1)) were used in the production of this report:

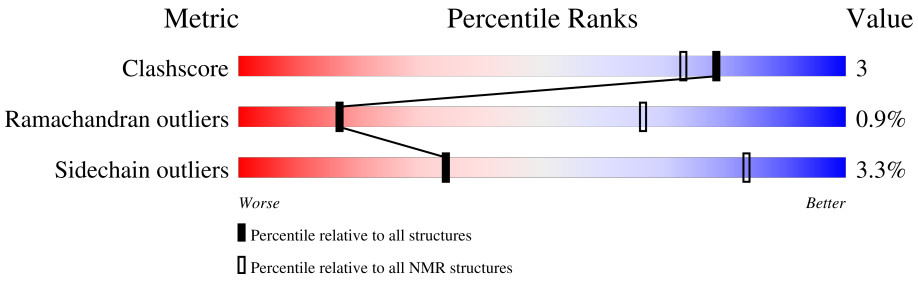
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance

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

The overall completeness of chemical shifts assignment is 50%.

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	43	84% · 14%

2 Ensemble composition and analysis

This entry contains 24 models. Model 1 is the overall representative, medoid model (most similar to other models).

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:5-A:41 (37)	0.59	1

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

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

The models can be grouped into 2 clusters. No single-model clusters were found.

Cluster number	Models
1	2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24
2	1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23

3 Entry composition (i)

There are 2 unique types of molecules in this entry. The entry contains 716 atoms, of which 365 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called piggyBac transposase.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	43	714	214	365	68	58	9	0

- Molecule 2 is ZINC ION (CCD ID: ZN) (formula: Zn).

Mol	Chain	Residues	Atoms	
			Total	Zn
2	A	2	2	2

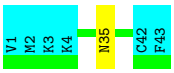
4 Residue-property plots (i)

4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: piggyBac transposase

Chain A:



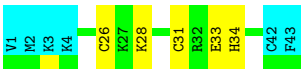
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1 (medoid)

• Molecule 1: piggyBac transposase

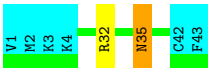
Chain A:



4.2.2 Score per residue for model 2

• Molecule 1: piggyBac transposase

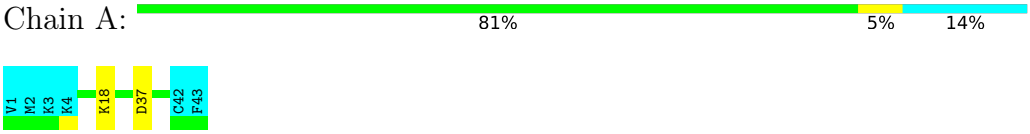
Chain A:



4.2.3 Score per residue for model 3

• Molecule 1: piggyBac transposase

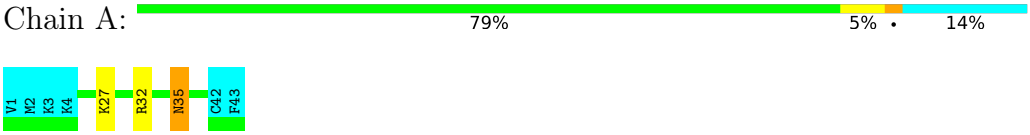
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: piggyBac transposase

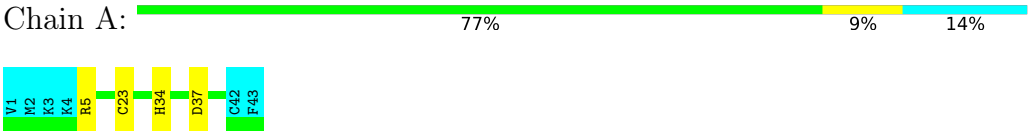
Chain A:



4.2.5 Score per residue for model 5

• Molecule 1: piggyBac transposase

Chain A:



4.2.6 Score per residue for model 6

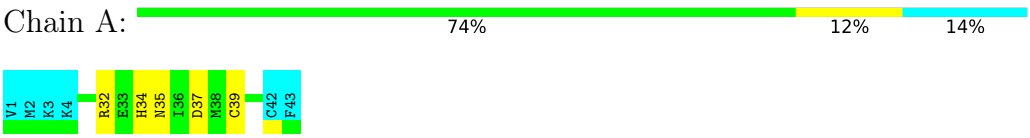
• Molecule 1: piggyBac transposase

Chain A:

4.2.7 Score per residue for model 7

• Molecule 1: piggyBac transposase

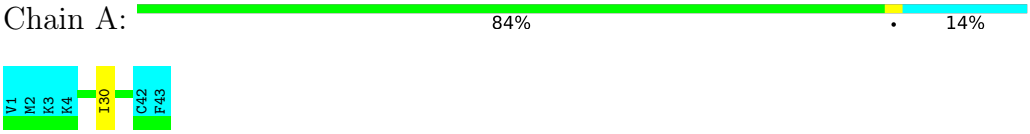
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: piggyBac transposase

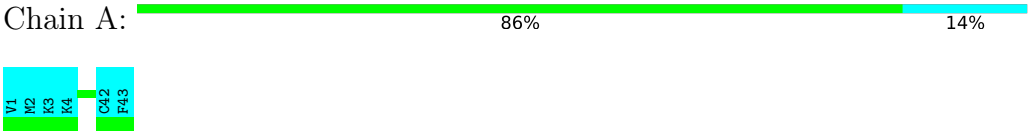
Chain A:



4.2.9 Score per residue for model 9

• Molecule 1: piggyBac transposase

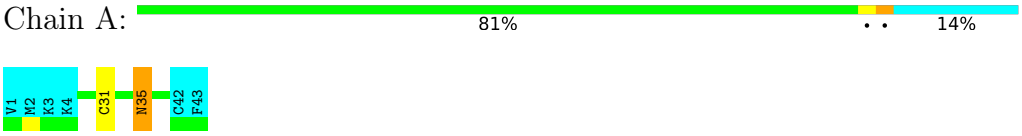
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: piggyBac transposase

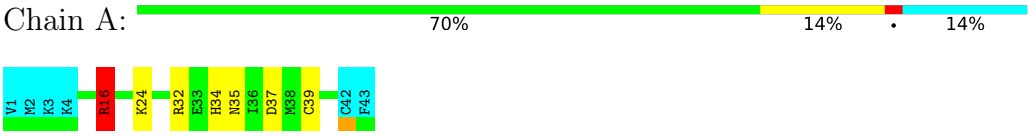
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: piggyBac transposase

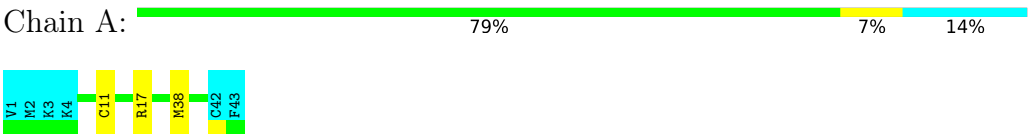
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: piggyBac transposase

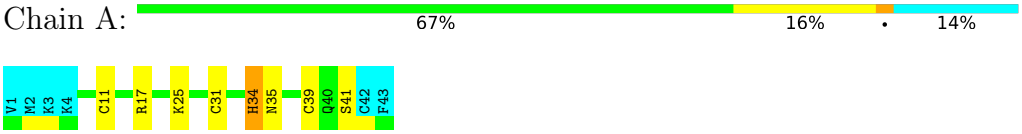
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: piggyBac transposase

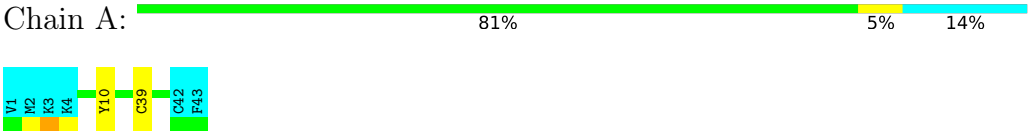
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: piggyBac transposase

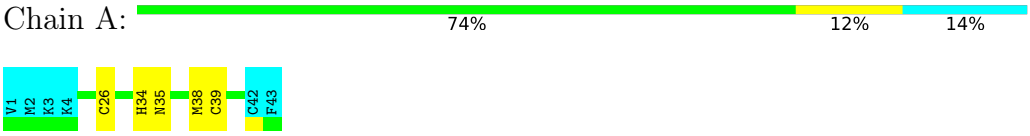
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: piggyBac transposase

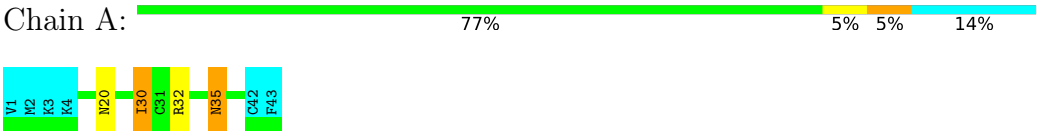
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: piggyBac transposase

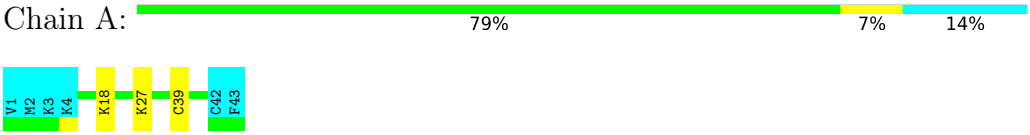
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: piggyBac transposase

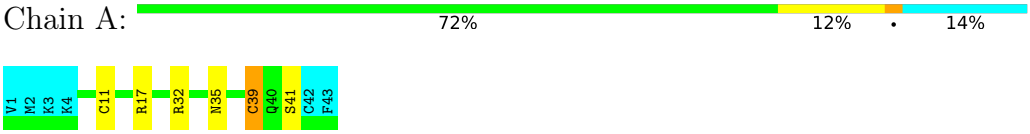
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: piggyBac transposase

Chain A:



4.2.19 Score per residue for model 19

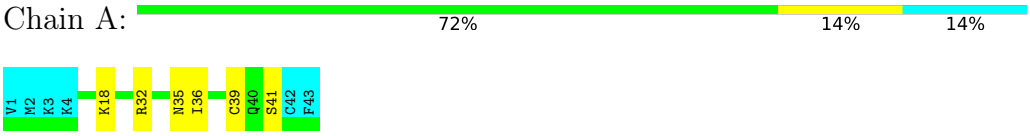
• Molecule 1: piggyBac transposase

Chain A:

4.2.20 Score per residue for model 20

• Molecule 1: piggyBac transposase

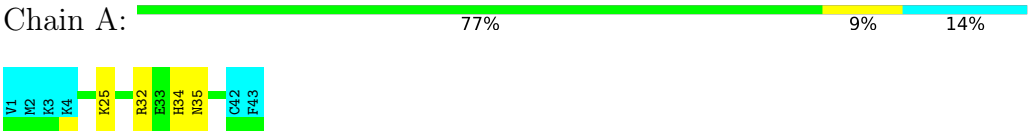
Chain A:



4.2.21 Score per residue for model 21

• Molecule 1: piggyBac transposase

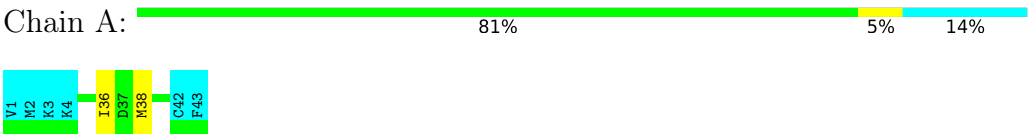
Chain A:



4.2.22 Score per residue for model 22

• Molecule 1: piggyBac transposase

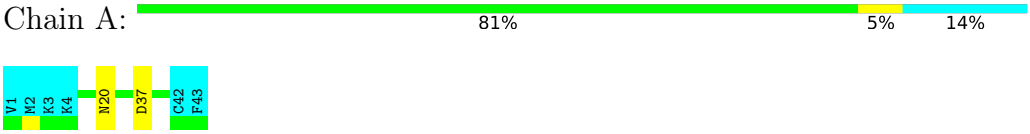
Chain A:



4.2.23 Score per residue for model 23

• Molecule 1: piggyBac transposase

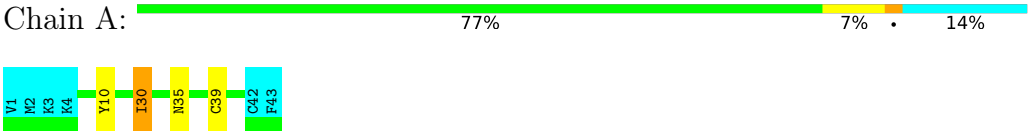
Chain A:



4.2.24 Score per residue for model 24

• Molecule 1: piggyBac transposase

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 4000 calculated structures, 24 were deposited, based on the following criterion: *structures with the lowest energy.*

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

Software name	Classification	Version
ARIA	structure calculation	2.3

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	303
Number of shifts mapped to atoms	303
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	50%

6 Model quality

6.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: ZN

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.38±0.02	0±0/302 (0.0± 0.0%)	0.77±0.04	0±0/401 (0.0± 0.1%)
All	All	0.38	0/7248 (0.0%)	0.77	2/9624 (0.0%)

There are no bond-length outliers.

All unique angle outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	36	ILE	N-CA-C	-5.48	106.96	112.17	20	2

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	298	306	306	2±1
All	All	7200	7344	7344	40

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 3.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:11:CYS:SG	1:A:17:ARG:HD2	0.61	2.34	19	3
1:A:32:ARG:HA	1:A:35:ASN:OD1	0.60	1.97	16	6
1:A:23:CYS:HA	1:A:37:ASP:O	0.52	2.04	5	1
1:A:39:CYS:SG	1:A:41:SER:HB3	0.51	2.46	20	2
1:A:32:ARG:HA	1:A:35:ASN:O	0.50	2.05	11	3
1:A:10:TYR:CE2	1:A:39:CYS:HB2	0.50	2.41	6	2
1:A:16:ARG:HG2	1:A:16:ARG:O	0.48	2.07	11	1
1:A:36:ILE:HB	1:A:38:MET:O	0.47	2.09	6	1
1:A:34:HIS:C	1:A:35:ASN:HD22	0.47	2.17	13	3
1:A:36:ILE:HG23	1:A:37:ASP:H	0.46	1.70	19	1
1:A:31:CYS:SG	1:A:34:HIS:HB2	0.45	2.50	13	1
1:A:35:ASN:OD1	1:A:39:CYS:HA	0.45	2.11	15	2
1:A:31:CYS:O	1:A:35:ASN:HB3	0.45	2.12	10	1
1:A:18:LYS:N	1:A:18:LYS:HD2	0.45	2.26	17	1
1:A:10:TYR:OH	1:A:39:CYS:HB2	0.45	2.12	19	1
1:A:5:ARG:HA	1:A:5:ARG:NE	0.45	2.27	5	1
1:A:10:TYR:CE1	1:A:39:CYS:HB2	0.44	2.48	24	1
1:A:30:ILE:HD12	1:A:35:ASN:HA	0.43	1.88	16	2
1:A:11:CYS:SG	1:A:17:ARG:HD3	0.43	2.54	13	1
1:A:39:CYS:SG	1:A:41:SER:HB2	0.43	2.53	13	1
1:A:26:CYS:SG	1:A:28:LYS:HB2	0.43	2.54	1	1
1:A:36:ILE:C	1:A:38:MET:H	0.42	2.21	22	1
1:A:16:ARG:H	1:A:16:ARG:HD2	0.42	1.75	11	1
1:A:31:CYS:SG	1:A:33:GLU:HB2	0.40	2.57	6	1
1:A:31:CYS:SG	1:A:33:GLU:HB3	0.40	2.56	1	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	37/43 (86%)	34±1 (92±3%)	3±1 (8±3%)	0±1 (1±1%)	16	66
All	All	888/1032 (86%)	813 (92%)	67 (8%)	8 (1%)	16	66

All 5 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	37	ASP	4
1	A	16	ARG	1
1	A	38	MET	1
1	A	36	ILE	1
1	A	25	LYS	1

6.3.2 Protein sidechains

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	35/41 (85%)	34±1 (97±3%)	1±1 (3±3%)	34 83
All	All	840/984 (85%)	812 (97%)	28 (3%)	34 83

All 10 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	34	HIS	7
1	A	35	ASN	5
1	A	20	ASN	3
1	A	39	CYS	3
1	A	30	ILE	3
1	A	18	LYS	2
1	A	27	LYS	2
1	A	37	ASP	1
1	A	16	ARG	1
1	A	24	LYS	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 (i)

There are no oligosaccharides in this entry.

6.6 Ligand geometry (i)

Of 2 ligands modelled in this entry, 2 are monoatomic - leaving 0 for Mogul analysis.

6.7 Other polymers (i)

There are no such molecules in this entry.

6.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 50% for the well-defined parts and 50% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *datanu.str*

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	303
Number of shifts mapped to atoms	303
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

No chemical shift referencing corrections were calculated (not enough data).

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 50%, i.e. 259 atoms were assigned a chemical shift out of a possible 517. 0 out of 1 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	72/183 (39%)	72/73 (99%)	0/74 (0%)	0/36 (0%)
Sidechain	177/309 (57%)	177/197 (90%)	0/91 (0%)	0/21 (0%)
Aromatic	10/25 (40%)	10/12 (83%)	0/12 (0%)	0/1 (0%)
Overall	259/517 (50%)	259/282 (92%)	0/177 (0%)	0/58 (0%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 50%, i.e. 303 atoms were assigned a chemical shift out of a possible 609. 0 out of 2 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	83/213 (39%)	83/85 (98%)	0/86 (0%)	0/42 (0%)
Sidechain	206/361 (57%)	206/231 (89%)	0/107 (0%)	0/23 (0%)
Aromatic	14/35 (40%)	14/17 (82%)	0/17 (0%)	0/1 (0%)
Overall	303/609 (50%)	303/333 (91%)	0/210 (0%)	0/66 (0%)

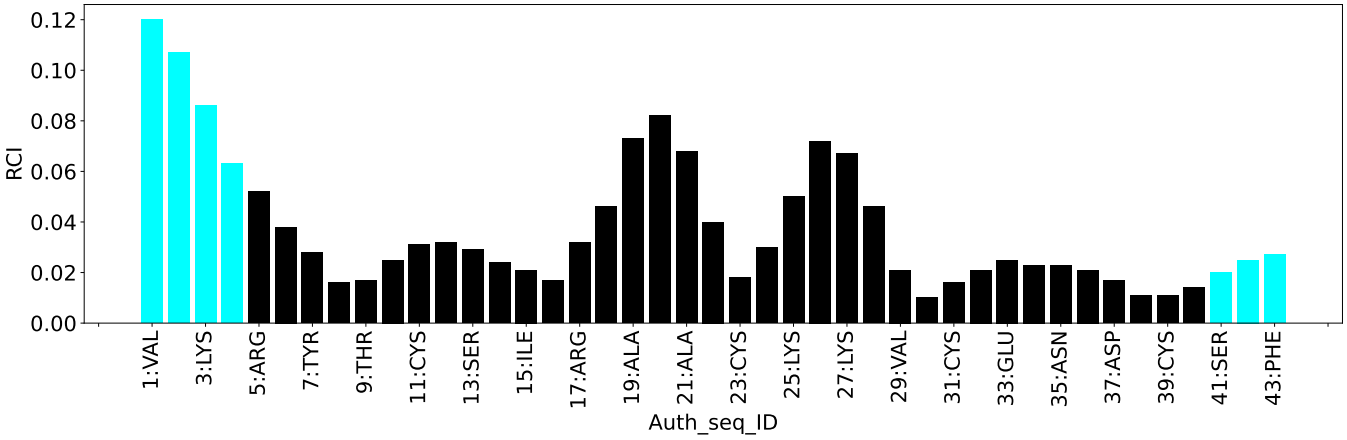
7.1.4 Statistically unusual chemical shifts (i)

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	1392
Intra-residue (|i-j|=0)	549
Sequential (|i-j|=1)	313
Medium range (|i-j|>1 and |i-j|<5)	145
Long range (|i-j|≥5)	385
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	30.9
Number of long range restraints per residue[1]	8.6

[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)	192.7	0.2
0.2-0.5 (Medium)	411.5	0.5
>0.5 (Large)	567.6	17.89

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

Dihedral-angle violations less than 1° are not included in the calculation.There are no dihedral-angle violations

9 Distance violation analysis (i)

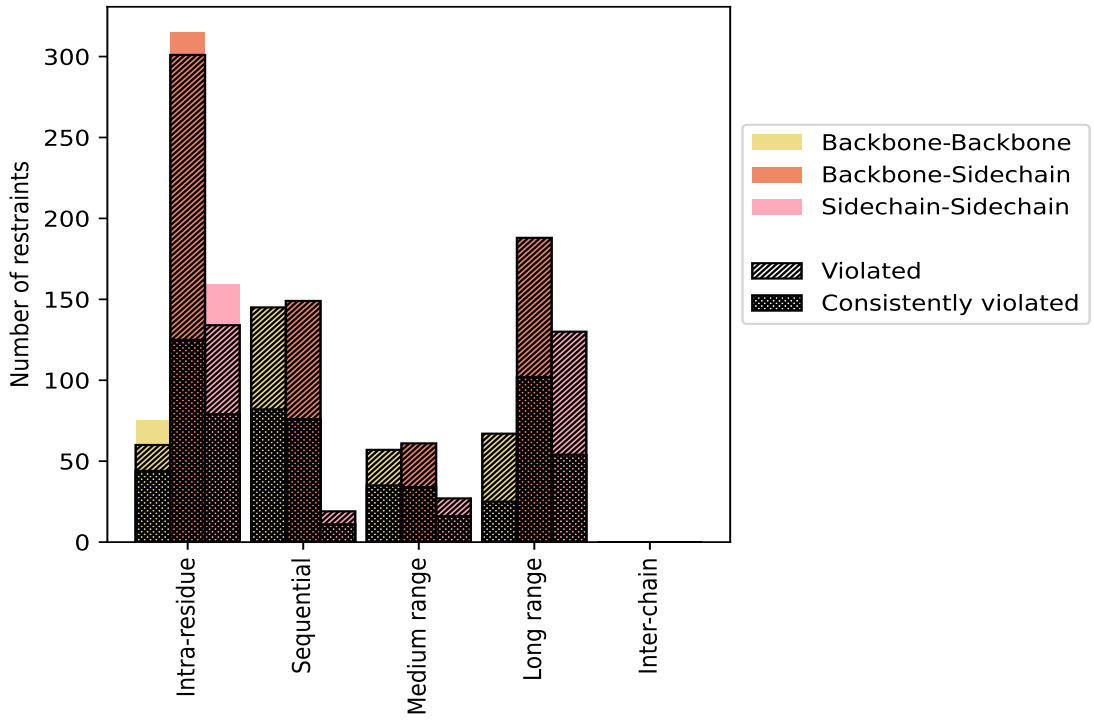
9.1 Summary of distance violations (i)

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)	549	39.4	495	90.2	35.6	248	45.2	17.8
Backbone-Backbone	75	5.4	60	80.0	4.3	44	58.7	3.2
Backbone-Sidechain	315	22.6	301	95.6	21.6	125	39.7	9.0
Sidechain-Sidechain	159	11.4	134	84.3	9.6	79	49.7	5.7
Sequential (|i-j|=1)	313	22.5	313	100.0	22.5	169	54.0	12.1
Backbone-Backbone	145	10.4	145	100.0	10.4	82	56.6	5.9
Backbone-Sidechain	149	10.7	149	100.0	10.7	76	51.0	5.5
Sidechain-Sidechain	19	1.4	19	100.0	1.4	11	57.9	0.8
Medium range (|i-j|>1 & |i-j|<5)	145	10.4	145	100.0	10.4	85	58.6	6.1
Backbone-Backbone	57	4.1	57	100.0	4.1	35	61.4	2.5
Backbone-Sidechain	61	4.4	61	100.0	4.4	34	55.7	2.4
Sidechain-Sidechain	27	1.9	27	100.0	1.9	16	59.3	1.1
Long range (|i-j|≥5)	385	27.7	385	100.0	27.7	181	47.0	13.0
Backbone-Backbone	67	4.8	67	100.0	4.8	25	37.3	1.8
Backbone-Sidechain	188	13.5	188	100.0	13.5	102	54.3	7.3
Sidechain-Sidechain	130	9.3	130	100.0	9.3	54	41.5	3.9
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	1392	100.0	1338	96.1	96.1	683	49.1	49.1
Backbone-Backbone	344	24.7	329	95.6	23.6	186	54.1	13.4
Backbone-Sidechain	713	51.2	699	98.0	50.2	337	47.3	24.2
Sidechain-Sidechain	335	24.1	310	92.5	22.3	160	47.8	11.5

[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	425	281	131	346	0	1183	0.77	13.49	1.02	0.5
2	425	272	135	341	0	1173	0.76	10.46	0.89	0.49
3	416	279	133	358	0	1186	0.76	12.54	0.97	0.49
4	417	303	135	340	0	1195	0.73	11.15	0.87	0.45
5	411	284	139	345	0	1179	0.76	9.68	0.89	0.47
6	420	288	129	357	0	1194	0.74	9.63	0.82	0.47
7	432	283	132	352	0	1199	0.79	15.44	1.17	0.48
8	414	283	128	351	0	1176	0.75	10.65	0.89	0.47
9	425	283	132	346	0	1186	0.76	11.82	0.91	0.5
10	410	282	131	335	0	1158	0.79	12.9	1.12	0.5

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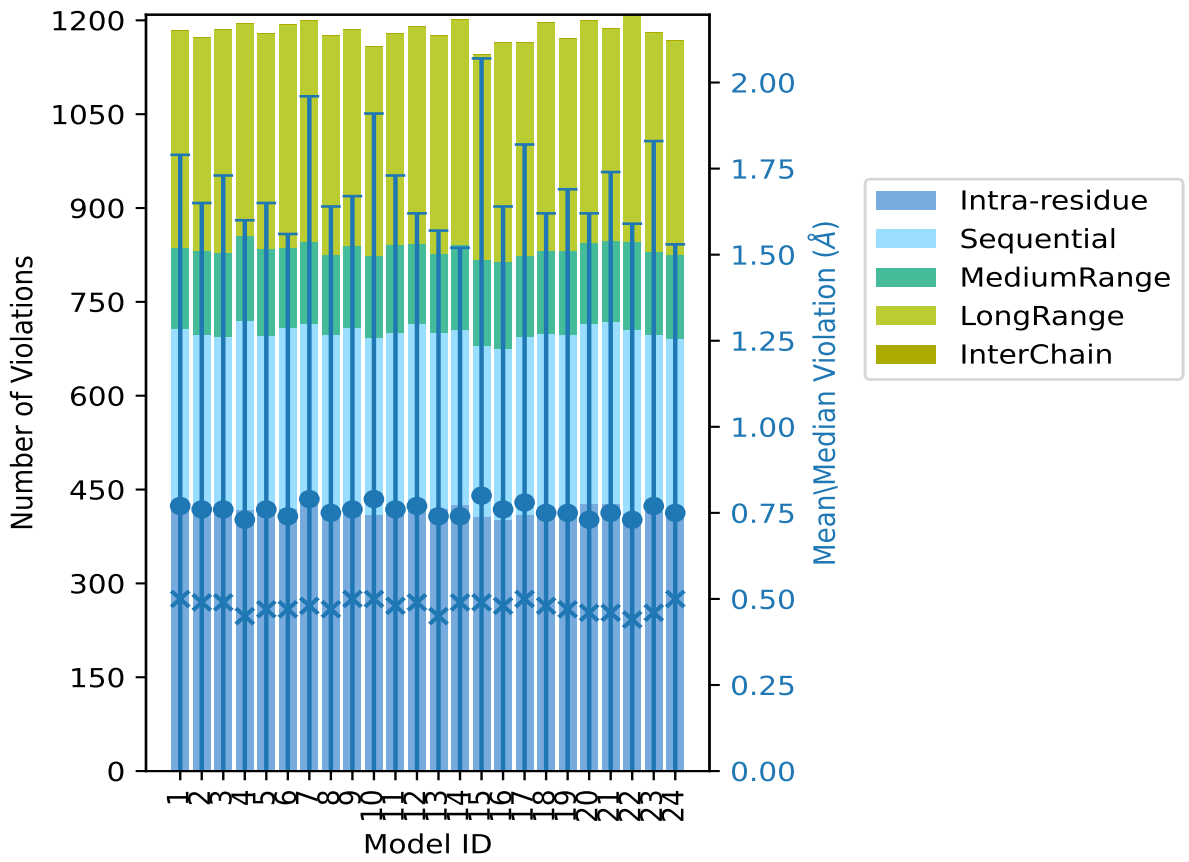
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	415	286	140	338	0	1179	0.76	13.21	0.97	0.48
12	417	298	128	347	0	1190	0.77	9.47	0.85	0.49
13	419	281	127	349	0	1176	0.74	9.08	0.83	0.45
14	426	279	137	360	0	1202	0.74	9.06	0.78	0.49
15	406	274	137	328	0	1145	0.8	17.89	1.27	0.49
16	402	273	139	350	0	1164	0.76	10.37	0.88	0.48
17	410	284	129	342	0	1165	0.78	13.41	1.04	0.5
18	414	285	133	364	0	1196	0.75	11.19	0.87	0.48
19	418	280	133	340	0	1171	0.75	13.15	0.94	0.47
20	428	287	130	355	0	1200	0.73	11.06	0.89	0.46
21	427	291	130	339	0	1187	0.75	12.74	0.99	0.46
22	412	293	141	363	0	1209	0.73	10.44	0.86	0.44
23	415	282	134	349	0	1180	0.77	13.98	1.06	0.46
24	410	282	133	343	0	1168	0.75	9.06	0.78	0.5

[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

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, 54(IR:54, SQ:0, MR:0, LR:0, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
10	0	0	0	0	10	1	4.2
8	0	0	0	0	8	2	8.3
6	0	0	0	0	6	3	12.5
6	0	0	0	0	6	4	16.7
4	2	0	0	0	6	5	20.8
5	0	0	0	0	5	6	25.0

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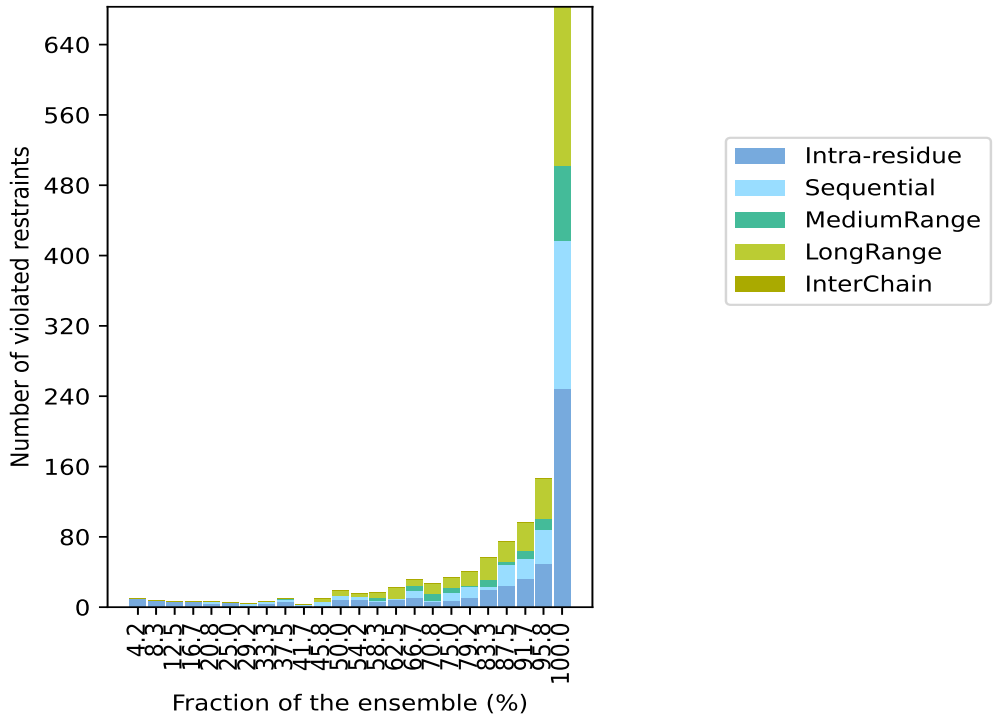
Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
2	2	0	0	0	4	7	29.2
4	2	0	0	0	6	8	33.3
6	2	2	0	0	10	9	37.5
1	2	0	0	0	3	10	41.7
2	4	0	4	0	10	11	45.8
8	5	0	6	0	19	12	50.0
8	4	0	4	0	16	13	54.2
7	0	4	6	0	17	14	58.3
8	2	0	12	0	22	15	62.5
10	9	6	6	0	31	16	66.7
6	2	7	12	0	27	17	70.8
8	8	6	12	0	34	18	75.0
11	12	2	16	0	41	19	79.2
20	4	7	26	0	57	20	83.3
25	23	4	23	0	75	21	87.5
32	23	9	32	0	96	22	91.7
50	38	13	45	0	146	23	95.8
248	169	85	181	0	683	24	100.0

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

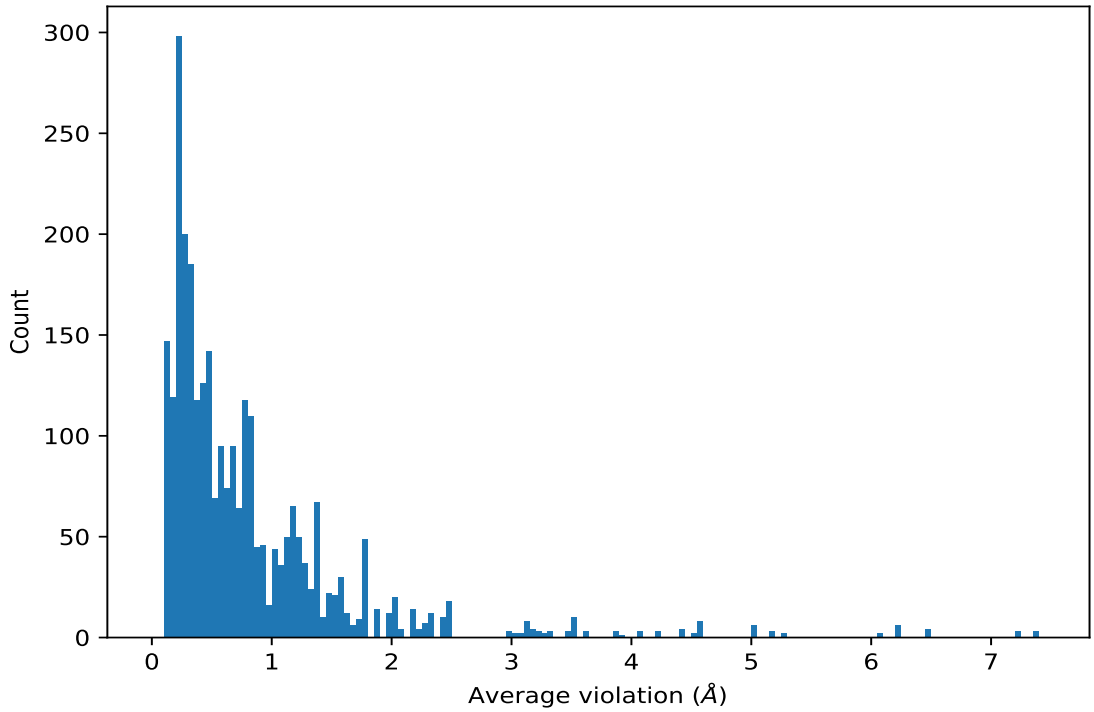
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD13	24	7.38	5.26	5.92
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD11	24	7.38	5.26	5.92
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD12	24	7.38	5.26	5.92
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG21	24	7.2	2.67	5.69
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG23	24	7.2	2.67	5.69
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG22	24	7.2	2.67	5.69
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE2	24	6.1	4.43	5.84
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE1	24	6.1	4.43	5.84
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD2	24	5.26	2.81	5.04
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD1	24	5.26	2.81	5.04
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD13	24	5.17	4.6	4.42
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD11	24	5.17	4.6	4.42
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD12	24	5.17	4.6	4.42
(3,71)	1:36:A:ILE:HG21	1:43:A:PHE:HD2	24	5.03	3.7	4.38
(3,71)	1:36:A:ILE:HG23	1:43:A:PHE:HD2	24	5.03	3.7	4.38
(3,71)	1:36:A:ILE:HG21	1:43:A:PHE:HD1	24	5.03	3.7	4.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,71)	1:36:A:ILE:HG23	1:43:A:PHE:HD1	24	5.03	3.7	4.38
(3,71)	1:36:A:ILE:HG22	1:43:A:PHE:HD1	24	5.03	3.7	4.38
(3,71)	1:36:A:ILE:HG22	1:43:A:PHE:HD2	24	5.03	3.7	4.38
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE2	24	4.54	3.6	4.75
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE1	24	4.54	3.6	4.75
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD13	24	4.23	3.63	3.59
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD11	24	4.23	3.63	3.59
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD12	24	4.23	3.63	3.59
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG21	24	4.07	1.76	3.42
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG22	24	4.07	1.76	3.42
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG23	24	4.07	1.76	3.42
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	24	3.91	1.0	3.96
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG21	24	3.88	0.68	3.82
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG22	24	3.88	0.68	3.82
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG23	24	3.88	0.68	3.82
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD13	24	3.62	1.66	3.34
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD11	24	3.62	1.66	3.34
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD12	24	3.62	1.66	3.34
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG12	24	3.55	2.09	3.55
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	24	3.55	2.09	3.55
(3,91)	1:36:A:ILE:HD13	1:38:A:MET:HG2	24	3.55	2.51	2.49
(3,91)	1:36:A:ILE:HD11	1:38:A:MET:HG2	24	3.55	2.51	2.49
(3,91)	1:36:A:ILE:HD12	1:38:A:MET:HG3	24	3.55	2.51	2.49
(3,91)	1:36:A:ILE:HD11	1:38:A:MET:HG3	24	3.55	2.51	2.49
(3,91)	1:36:A:ILE:HD12	1:38:A:MET:HG2	24	3.55	2.51	2.49
(3,91)	1:36:A:ILE:HD13	1:38:A:MET:HG3	24	3.55	2.51	2.49
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG12	24	3.29	2.59	2.95
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG13	24	3.29	2.59	2.95
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG21	24	3.2	0.76	3.54
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG23	24	3.2	0.76	3.54
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG22	24	3.2	0.76	3.54
(3,49)	1:25:A:LYS:HD2	1:43:A:PHE:HD2	24	3.18	2.81	2.43
(3,49)	1:25:A:LYS:HD3	1:43:A:PHE:HD2	24	3.18	2.81	2.43
(3,49)	1:25:A:LYS:HD3	1:43:A:PHE:HD1	24	3.18	2.81	2.43
(3,49)	1:25:A:LYS:HD2	1:43:A:PHE:HD1	24	3.18	2.81	2.43
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	24	3.14	2.36	2.59
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD2	24	3.14	2.36	2.59
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB3	24	3.07	1.36	3.2
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB2	24	3.07	1.36	3.2
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE3	24	3.02	2.23	2.99
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE2	24	3.02	2.23	2.99
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG21	24	2.97	1.15	2.65

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG22	24	2.97	1.15	2.65
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG23	24	2.97	1.15	2.65
(1,530)	1:30:A:ILE:HG23	1:9:A:THR:HG22	24	2.47	0.21	2.44
(1,530)	1:30:A:ILE:HG23	1:9:A:THR:HG23	24	2.47	0.21	2.44
(1,530)	1:30:A:ILE:HG21	1:9:A:THR:HG21	24	2.47	0.21	2.44
(1,530)	1:30:A:ILE:HG23	1:9:A:THR:HG21	24	2.47	0.21	2.44
(1,530)	1:30:A:ILE:HG22	1:9:A:THR:HG23	24	2.47	0.21	2.44
(1,530)	1:30:A:ILE:HG22	1:9:A:THR:HG22	24	2.47	0.21	2.44
(1,530)	1:30:A:ILE:HG21	1:9:A:THR:HG23	24	2.47	0.21	2.44
(1,530)	1:30:A:ILE:HG22	1:9:A:THR:HG21	24	2.47	0.21	2.44
(1,530)	1:30:A:ILE:HG21	1:9:A:THR:HG22	24	2.47	0.21	2.44
(2,530)	1:30:A:ILE:HG23	1:9:A:THR:HG22	24	2.47	0.21	2.44
(2,530)	1:30:A:ILE:HG23	1:9:A:THR:HG23	24	2.47	0.21	2.44
(2,530)	1:30:A:ILE:HG21	1:9:A:THR:HG21	24	2.47	0.21	2.44
(2,530)	1:30:A:ILE:HG23	1:9:A:THR:HG21	24	2.47	0.21	2.44
(2,530)	1:30:A:ILE:HG22	1:9:A:THR:HG23	24	2.47	0.21	2.44
(2,530)	1:30:A:ILE:HG22	1:9:A:THR:HG22	24	2.47	0.21	2.44
(2,530)	1:30:A:ILE:HG21	1:9:A:THR:HG23	24	2.47	0.21	2.44
(2,530)	1:30:A:ILE:HG22	1:9:A:THR:HG21	24	2.47	0.21	2.44
(2,530)	1:30:A:ILE:HG21	1:9:A:THR:HG22	24	2.47	0.21	2.44
(1,569)	1:30:A:ILE:HD12	1:37:A:ASP:HB3	24	2.43	0.59	2.33
(1,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB3	24	2.43	0.59	2.33
(1,569)	1:30:A:ILE:HD13	1:37:A:ASP:HB2	24	2.43	0.59	2.33
(1,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB2	24	2.43	0.59	2.33
(1,569)	1:30:A:ILE:HD13	1:37:A:ASP:HB3	24	2.43	0.59	2.33
(2,569)	1:30:A:ILE:HD12	1:37:A:ASP:HB3	24	2.43	0.59	2.33
(2,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB3	24	2.43	0.59	2.33
(2,569)	1:30:A:ILE:HD13	1:37:A:ASP:HB2	24	2.43	0.59	2.33
(2,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB2	24	2.43	0.59	2.33
(2,569)	1:30:A:ILE:HD13	1:37:A:ASP:HB3	24	2.43	0.59	2.33
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB3	24	2.32	0.4	2.23
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB2	24	2.32	0.4	2.23
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB1	24	2.32	0.4	2.23
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB3	24	2.32	0.4	2.23
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB2	24	2.32	0.4	2.23
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB1	24	2.32	0.4	2.23
(3,15)	1:36:A:ILE:HG21	1:38:A:MET:HB3	24	2.31	1.16	2.8
(3,15)	1:36:A:ILE:HG23	1:38:A:MET:HB3	24	2.31	1.16	2.8
(3,15)	1:36:A:ILE:HG23	1:38:A:MET:HB2	24	2.31	1.16	2.8
(3,15)	1:36:A:ILE:HG21	1:38:A:MET:HB2	24	2.31	1.16	2.8
(3,15)	1:36:A:ILE:HG22	1:38:A:MET:HB3	24	2.31	1.16	2.8
(3,15)	1:36:A:ILE:HG22	1:38:A:MET:HB2	24	2.31	1.16	2.8

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,56)	1:42:A:CYS:HB3	1:43:A:PHE:HD2	24	2.3	1.77	3.47
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD2	24	2.3	1.77	3.47
(3,56)	1:42:A:CYS:HB3	1:43:A:PHE:HD1	24	2.3	1.77	3.47
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD1	24	2.3	1.77	3.47
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD13	24	2.26	0.91	2.76
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD11	24	2.26	0.91	2.76
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD12	24	2.26	0.91	2.76
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	24	2.21	0.32	2.24
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	24	2.21	0.32	2.24
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	24	2.21	0.32	2.24
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	24	2.21	0.32	2.24
(1,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD2	24	2.19	0.21	2.24
(1,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD2	24	2.19	0.21	2.24
(1,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD1	24	2.19	0.21	2.24
(1,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD1	24	2.19	0.21	2.24
(1,541)	1:30:A:ILE:HD11	1:10:A:TYR:HD2	24	2.19	0.21	2.24
(1,541)	1:30:A:ILE:HD11	1:10:A:TYR:HD1	24	2.19	0.21	2.24
(2,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD2	24	2.19	0.21	2.24
(2,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD2	24	2.19	0.21	2.24
(2,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD1	24	2.19	0.21	2.24
(2,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD1	24	2.19	0.21	2.24
(2,541)	1:30:A:ILE:HD11	1:10:A:TYR:HD2	24	2.19	0.21	2.24
(2,541)	1:30:A:ILE:HD11	1:10:A:TYR:HD1	24	2.19	0.21	2.24
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	24	2.16	0.33	2.03
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	24	2.16	0.33	2.03
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	24	2.08	0.33	2.06
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	24	2.08	0.33	2.06
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	24	2.08	0.33	2.06
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	24	2.08	0.33	2.06
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG23	24	2.04	0.18	2.03
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	24	2.04	0.18	2.03
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	24	2.04	0.18	2.03
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG23	24	2.04	0.18	2.03
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	24	2.04	0.18	2.03
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	24	2.04	0.18	2.03
(1,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	24	2.01	0.3	2.04
(1,518)	1:15:A:ILE:HG23	1:12:A:PRO:HG2	24	2.01	0.3	2.04
(1,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	24	2.01	0.3	2.04
(2,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	24	2.01	0.3	2.04
(2,518)	1:15:A:ILE:HG23	1:12:A:PRO:HG2	24	2.01	0.3	2.04
(2,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	24	2.01	0.3	2.04
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	24	2.01	0.32	2.04

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	24	2.01	0.32	2.04
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	24	2.01	0.32	2.04
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	24	2.01	0.32	2.04
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	24	1.98	0.63	2.13
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	24	1.98	0.63	2.13
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	24	1.98	0.63	2.13
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	24	1.98	0.63	2.13
(1,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD1	24	1.96	0.18	2.0
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	24	1.96	0.18	2.0
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD1	24	1.96	0.18	2.0
(1,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD2	24	1.96	0.18	2.0
(2,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD1	24	1.96	0.18	2.0
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	24	1.96	0.18	2.0
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD1	24	1.96	0.18	2.0
(2,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD2	24	1.96	0.18	2.0
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	24	1.9	0.41	1.81
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	24	1.9	0.41	1.81
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	24	1.9	0.41	1.81
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	24	1.9	0.41	1.81
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG23	24	1.88	0.22	1.9
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG22	24	1.88	0.22	1.9
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG21	24	1.88	0.22	1.9
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG23	24	1.88	0.22	1.9
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG22	24	1.88	0.22	1.9
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG21	24	1.88	0.22	1.9
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	24	1.86	0.39	1.83
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG3	24	1.86	0.39	1.83
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	24	1.86	0.39	1.83
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG3	24	1.86	0.39	1.83
(1,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE2	24	1.78	0.27	1.82
(1,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE2	24	1.78	0.27	1.82
(1,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE1	24	1.78	0.27	1.82
(1,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE1	24	1.78	0.27	1.82
(1,102)	1:30:A:ILE:HD11	1:10:A:TYR:HE2	24	1.78	0.27	1.82
(1,102)	1:30:A:ILE:HD11	1:10:A:TYR:HE1	24	1.78	0.27	1.82
(2,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE2	24	1.78	0.27	1.82
(2,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE2	24	1.78	0.27	1.82
(2,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE1	24	1.78	0.27	1.82
(2,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE1	24	1.78	0.27	1.82
(2,102)	1:30:A:ILE:HD11	1:10:A:TYR:HE2	24	1.78	0.27	1.82
(2,102)	1:30:A:ILE:HD11	1:10:A:TYR:HE1	24	1.78	0.27	1.82
(1,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB2	24	1.78	0.89	1.63

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB3	24	1.78	0.89	1.63
(1,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB2	24	1.78	0.89	1.63
(1,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB3	24	1.78	0.89	1.63
(1,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB2	24	1.78	0.89	1.63
(1,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB3	24	1.78	0.89	1.63
(2,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB2	24	1.78	0.89	1.63
(2,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB3	24	1.78	0.89	1.63
(2,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB2	24	1.78	0.89	1.63
(2,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB3	24	1.78	0.89	1.63
(2,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB2	24	1.78	0.89	1.63
(2,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB3	24	1.78	0.89	1.63
(1,50)	1:9:A:THR:HG22	1:10:A:TYR:HE2	24	1.78	0.23	1.81
(1,50)	1:9:A:THR:HG23	1:10:A:TYR:HE2	24	1.78	0.23	1.81
(1,50)	1:9:A:THR:HG21	1:10:A:TYR:HE2	24	1.78	0.23	1.81
(1,50)	1:9:A:THR:HG21	1:10:A:TYR:HE1	24	1.78	0.23	1.81
(1,50)	1:9:A:THR:HG23	1:10:A:TYR:HE1	24	1.78	0.23	1.81
(1,50)	1:9:A:THR:HG22	1:10:A:TYR:HE1	24	1.78	0.23	1.81
(2,50)	1:9:A:THR:HG22	1:10:A:TYR:HE2	24	1.78	0.23	1.81
(2,50)	1:9:A:THR:HG23	1:10:A:TYR:HE2	24	1.78	0.23	1.81
(2,50)	1:9:A:THR:HG21	1:10:A:TYR:HE2	24	1.78	0.23	1.81
(2,50)	1:9:A:THR:HG21	1:10:A:TYR:HE1	24	1.78	0.23	1.81
(2,50)	1:9:A:THR:HG23	1:10:A:TYR:HE1	24	1.78	0.23	1.81
(2,50)	1:9:A:THR:HG22	1:10:A:TYR:HE1	24	1.78	0.23	1.81
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	24	1.76	0.1	1.77
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	24	1.76	0.1	1.77
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG23	24	1.76	0.15	1.78
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	24	1.76	0.15	1.78
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	24	1.76	0.15	1.78
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG23	24	1.76	0.15	1.78
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	24	1.76	0.15	1.78
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	24	1.76	0.15	1.78
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	24	1.75	1.22	1.42
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	24	1.74	0.54	1.52
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	24	1.74	0.59	1.96
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG3	24	1.74	0.59	1.96
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	24	1.74	0.59	1.96
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG3	24	1.74	0.59	1.96
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	24	1.71	0.28	1.78
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	24	1.71	0.28	1.78
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	24	1.71	0.28	1.78
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	24	1.71	0.28	1.78
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	24	1.67	0.44	1.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG23	24	1.67	0.44	1.62
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	24	1.67	0.44	1.62
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	24	1.67	0.44	1.62
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG23	24	1.67	0.44	1.62
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	24	1.67	0.44	1.62
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	24	1.64	0.16	1.66
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	24	1.64	0.16	1.66
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	24	1.64	0.16	1.66
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	24	1.64	0.16	1.66
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	24	1.62	0.58	1.58
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	24	1.62	0.58	1.58
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	24	1.62	0.58	1.58
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	24	1.62	0.58	1.58
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	24	1.6	0.34	1.6
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	24	1.6	0.34	1.6
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	24	1.6	0.34	1.6
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	24	1.6	0.34	1.6
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD13	24	1.59	0.28	1.56
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	24	1.59	0.28	1.56
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD11	24	1.59	0.28	1.56
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD13	24	1.59	0.28	1.56
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	24	1.59	0.28	1.56
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD11	24	1.59	0.28	1.56
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	24	1.59	0.03	1.6
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	24	1.59	0.03	1.6
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD11	24	1.59	0.03	1.6
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	24	1.59	0.03	1.6
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	24	1.59	0.03	1.6
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD11	24	1.59	0.03	1.6
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE2	24	1.59	0.02	1.59
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	24	1.59	0.02	1.59
(1,579)	1:7:A:TYR:HB3	1:7:A:TYR:HE1	24	1.59	0.02	1.59
(1,579)	1:7:A:TYR:HB3	1:7:A:TYR:HE2	24	1.59	0.02	1.59
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE2	24	1.59	0.02	1.59
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	24	1.59	0.02	1.59
(2,579)	1:7:A:TYR:HB3	1:7:A:TYR:HE1	24	1.59	0.02	1.59
(2,579)	1:7:A:TYR:HB3	1:7:A:TYR:HE2	24	1.59	0.02	1.59
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	24	1.58	0.06	1.57
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	24	1.58	0.06	1.57
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	24	1.57	0.45	1.49
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	24	1.57	0.45	1.49
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD11	24	1.57	0.45	1.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	24	1.57	0.45	1.49
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	24	1.57	0.45	1.49
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD11	24	1.57	0.45	1.49
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	24	1.56	0.32	1.56
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	24	1.56	0.32	1.56
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG22	24	1.54	0.2	1.53
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	24	1.54	0.2	1.53
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	24	1.54	0.2	1.53
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG22	24	1.54	0.2	1.53
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	24	1.54	0.2	1.53
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	24	1.54	0.2	1.53
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	24	1.52	1.05	1.3
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	24	1.51	0.25	1.46
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	24	1.51	0.25	1.46
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	24	1.51	0.25	1.46
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	24	1.51	0.25	1.46
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	24	1.51	1.35	0.8
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG23	24	1.5	1.07	0.88
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG21	24	1.5	1.07	0.88
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG22	24	1.5	1.07	0.88
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	24	1.49	0.26	1.46
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	24	1.49	0.26	1.46
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	24	1.49	0.26	1.46
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	24	1.49	0.26	1.46
(1,48)	1:9:A:THR:H	1:9:A:THR:HG21	24	1.48	0.03	1.5
(1,48)	1:9:A:THR:H	1:9:A:THR:HG23	24	1.48	0.03	1.5
(1,48)	1:9:A:THR:H	1:9:A:THR:HG22	24	1.48	0.03	1.5
(2,48)	1:9:A:THR:H	1:9:A:THR:HG21	24	1.48	0.03	1.5
(2,48)	1:9:A:THR:H	1:9:A:THR:HG23	24	1.48	0.03	1.5
(2,48)	1:9:A:THR:H	1:9:A:THR:HG22	24	1.48	0.03	1.5
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	24	1.47	0.22	1.47
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	24	1.47	0.22	1.47
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	24	1.47	0.04	1.46
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	24	1.47	0.04	1.46
(1,580)	1:10:A:TYR:HB2	1:10:A:TYR:HE2	24	1.47	0.04	1.46
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	24	1.47	0.04	1.46
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	24	1.47	0.04	1.46
(2,580)	1:10:A:TYR:HB2	1:10:A:TYR:HE2	24	1.47	0.04	1.46
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	24	1.46	0.23	1.41
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	24	1.46	0.23	1.41
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	24	1.46	0.23	1.41
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	24	1.46	0.23	1.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	24	1.42	0.04	1.43
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	24	1.42	0.04	1.43
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	24	1.42	0.46	1.38
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	24	1.42	0.46	1.38
(1,590)	1:16:A:ARG:HG3	1:7:A:TYR:HE1	24	1.42	0.46	1.38
(1,590)	1:16:A:ARG:HG3	1:7:A:TYR:HE2	24	1.42	0.46	1.38
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	24	1.42	0.46	1.38
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	24	1.42	0.46	1.38
(2,590)	1:16:A:ARG:HG3	1:7:A:TYR:HE1	24	1.42	0.46	1.38
(2,590)	1:16:A:ARG:HG3	1:7:A:TYR:HE2	24	1.42	0.46	1.38
(1,46)	1:6:A:THR:HG21	1:7:A:TYR:HE2	24	1.4	0.39	1.36
(1,46)	1:6:A:THR:HG21	1:7:A:TYR:HE1	24	1.4	0.39	1.36
(1,46)	1:6:A:THR:HG23	1:7:A:TYR:HE2	24	1.4	0.39	1.36
(1,46)	1:6:A:THR:HG22	1:7:A:TYR:HE1	24	1.4	0.39	1.36
(1,46)	1:6:A:THR:HG22	1:7:A:TYR:HE2	24	1.4	0.39	1.36
(1,46)	1:6:A:THR:HG23	1:7:A:TYR:HE1	24	1.4	0.39	1.36
(2,46)	1:6:A:THR:HG21	1:7:A:TYR:HE2	24	1.4	0.39	1.36
(2,46)	1:6:A:THR:HG21	1:7:A:TYR:HE1	24	1.4	0.39	1.36
(2,46)	1:6:A:THR:HG23	1:7:A:TYR:HE2	24	1.4	0.39	1.36
(2,46)	1:6:A:THR:HG22	1:7:A:TYR:HE1	24	1.4	0.39	1.36
(2,46)	1:6:A:THR:HG22	1:7:A:TYR:HE2	24	1.4	0.39	1.36
(2,46)	1:6:A:THR:HG23	1:7:A:TYR:HE1	24	1.4	0.39	1.36
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB3	24	1.38	0.16	1.36
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB2	24	1.38	0.16	1.36
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB3	24	1.38	0.16	1.36
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB2	24	1.38	0.16	1.36
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	24	1.38	0.05	1.38
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	24	1.38	0.05	1.38
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	24	1.38	0.32	1.47
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	24	1.38	0.32	1.47
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD12	24	1.38	0.32	1.47
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	24	1.38	0.32	1.47
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	24	1.38	0.32	1.47
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD12	24	1.38	0.32	1.47
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB3	24	1.37	0.23	1.36
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB2	24	1.37	0.23	1.36
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	24	1.37	0.3	1.58
(1,280)	1:6:A:THR:HG23	1:7:A:TYR:HD2	24	1.37	0.4	1.3
(1,280)	1:6:A:THR:HG21	1:7:A:TYR:HD1	24	1.37	0.4	1.3
(1,280)	1:6:A:THR:HG22	1:7:A:TYR:HD1	24	1.37	0.4	1.3
(1,280)	1:6:A:THR:HG21	1:7:A:TYR:HD2	24	1.37	0.4	1.3
(1,280)	1:6:A:THR:HG23	1:7:A:TYR:HD1	24	1.37	0.4	1.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,280)	1:6:A:THR:HG23	1:7:A:TYR:HD2	24	1.37	0.4	1.3
(2,280)	1:6:A:THR:HG21	1:7:A:TYR:HD1	24	1.37	0.4	1.3
(2,280)	1:6:A:THR:HG22	1:7:A:TYR:HD1	24	1.37	0.4	1.3
(2,280)	1:6:A:THR:HG21	1:7:A:TYR:HD2	24	1.37	0.4	1.3
(2,280)	1:6:A:THR:HG23	1:7:A:TYR:HD1	24	1.37	0.4	1.3
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	24	1.36	0.22	1.38
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	24	1.36	0.22	1.38
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG13	24	1.36	0.22	1.38
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	24	1.36	0.22	1.38
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	24	1.36	0.22	1.38
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG13	24	1.36	0.22	1.38
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	24	1.36	0.31	1.39
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	24	1.36	0.31	1.39
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	24	1.36	0.31	1.39
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	24	1.36	0.31	1.39
(1,45)	1:6:A:THR:H	1:6:A:THR:HG23	24	1.34	0.04	1.34
(1,45)	1:6:A:THR:H	1:6:A:THR:HG21	24	1.34	0.04	1.34
(1,45)	1:6:A:THR:H	1:6:A:THR:HG22	24	1.34	0.04	1.34
(2,45)	1:6:A:THR:H	1:6:A:THR:HG23	24	1.34	0.04	1.34
(2,45)	1:6:A:THR:H	1:6:A:THR:HG21	24	1.34	0.04	1.34
(2,45)	1:6:A:THR:H	1:6:A:THR:HG22	24	1.34	0.04	1.34
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	24	1.32	0.12	1.35
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	24	1.32	0.12	1.35
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	24	1.32	0.05	1.32
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	24	1.32	0.05	1.32
(1,473)	1:30:A:ILE:HG23	1:34:A:HIS:HB3	24	1.31	0.51	1.3
(1,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	24	1.31	0.51	1.3
(1,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	24	1.31	0.51	1.3
(2,473)	1:30:A:ILE:HG23	1:34:A:HIS:HB3	24	1.31	0.51	1.3
(2,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	24	1.31	0.51	1.3
(2,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	24	1.31	0.51	1.3
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG23	24	1.3	0.21	1.36
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG21	24	1.3	0.21	1.36
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG22	24	1.3	0.21	1.36
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG23	24	1.3	0.21	1.36
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG21	24	1.3	0.21	1.36
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG22	24	1.3	0.21	1.36
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	24	1.3	0.16	1.27
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	24	1.3	0.16	1.27
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	24	1.29	0.04	1.29
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG22	24	1.29	0.04	1.29
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	24	1.29	0.04	1.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	24	1.29	0.04	1.29
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG22	24	1.29	0.04	1.29
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	24	1.29	0.04	1.29
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD11	24	1.29	0.22	1.33
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	24	1.29	0.22	1.33
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD12	24	1.29	0.22	1.33
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD11	24	1.29	0.22	1.33
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	24	1.29	0.22	1.33
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD12	24	1.29	0.22	1.33
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG23	24	1.27	0.15	1.28
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	24	1.27	0.15	1.28
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	24	1.27	0.15	1.28
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	24	1.27	0.4	1.3
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG3	24	1.27	0.4	1.3
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG23	24	1.27	0.15	1.28
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	24	1.27	0.15	1.28
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	24	1.27	0.15	1.28
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	24	1.27	0.4	1.3
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG3	24	1.27	0.4	1.3
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	24	1.26	0.07	1.25
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	24	1.26	0.07	1.25
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	24	1.26	0.07	1.25
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	24	1.26	0.07	1.25
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	24	1.26	0.07	1.25
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	24	1.26	0.07	1.25
(1,474)	1:30:A:ILE:HG21	1:23:A:CYS:HB2	24	1.25	0.23	1.26
(1,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	24	1.25	0.23	1.26
(1,474)	1:30:A:ILE:HG22	1:23:A:CYS:HB2	24	1.25	0.23	1.26
(2,474)	1:30:A:ILE:HG21	1:23:A:CYS:HB2	24	1.25	0.23	1.26
(2,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	24	1.25	0.23	1.26
(2,474)	1:30:A:ILE:HG22	1:23:A:CYS:HB2	24	1.25	0.23	1.26
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG23	24	1.24	0.16	1.27
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	24	1.24	0.16	1.27
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	24	1.24	0.16	1.27
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG23	24	1.24	0.16	1.27
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	24	1.24	0.16	1.27
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	24	1.24	0.16	1.27
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	24	1.24	0.38	1.32
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	24	1.24	0.38	1.32
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	24	1.23	0.05	1.23
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	24	1.23	0.05	1.23
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	24	1.23	0.2	1.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB2	24	1.23	0.2	1.23
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	24	1.23	0.2	1.23
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB2	24	1.23	0.2	1.23
(1,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE2	24	1.23	0.38	1.29
(1,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	24	1.23	0.38	1.29
(1,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE1	24	1.23	0.38	1.29
(1,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE1	24	1.23	0.38	1.29
(2,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE2	24	1.23	0.38	1.29
(2,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	24	1.23	0.38	1.29
(2,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE1	24	1.23	0.38	1.29
(2,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE1	24	1.23	0.38	1.29
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	24	1.22	0.13	1.21
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB3	24	1.22	0.13	1.21
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	24	1.22	0.13	1.21
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB3	24	1.22	0.13	1.21
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD3	24	1.22	0.81	1.74
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	24	1.22	0.81	1.74
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD3	24	1.22	0.81	1.74
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	24	1.22	0.81	1.74
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB2	24	1.22	0.4	1.35
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	24	1.22	0.4	1.35
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB2	24	1.22	0.4	1.35
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	24	1.22	0.4	1.35
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	24	1.21	0.13	1.23
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG3	24	1.21	0.13	1.23
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	24	1.21	0.13	1.23
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG3	24	1.21	0.13	1.23
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	24	1.21	0.07	1.23
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	24	1.21	0.07	1.23
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG22	24	1.21	0.19	1.17
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	24	1.21	0.19	1.17
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	24	1.21	0.19	1.17
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG22	24	1.21	0.19	1.17
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	24	1.21	0.19	1.17
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	24	1.21	0.19	1.17
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	24	1.2	0.07	1.2
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	24	1.2	0.07	1.2
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	24	1.2	0.03	1.21
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	24	1.2	0.03	1.21
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG23	24	1.2	0.25	1.28
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	24	1.2	0.25	1.28
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	24	1.2	0.25	1.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG23	24	1.2	0.25	1.28
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	24	1.2	0.25	1.28
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	24	1.2	0.25	1.28
(1,74)	1:30:A:ILE:HG21	1:10:A:TYR:HE2	24	1.2	0.22	1.19
(1,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	24	1.2	0.22	1.19
(1,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE1	24	1.2	0.22	1.19
(1,74)	1:30:A:ILE:HG21	1:10:A:TYR:HE1	24	1.2	0.22	1.19
(1,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE1	24	1.2	0.22	1.19
(1,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE2	24	1.2	0.22	1.19
(2,74)	1:30:A:ILE:HG21	1:10:A:TYR:HE2	24	1.2	0.22	1.19
(2,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	24	1.2	0.22	1.19
(2,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE1	24	1.2	0.22	1.19
(2,74)	1:30:A:ILE:HG21	1:10:A:TYR:HE1	24	1.2	0.22	1.19
(2,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE1	24	1.2	0.22	1.19
(2,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE2	24	1.2	0.22	1.19
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	24	1.2	0.14	1.19
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	24	1.2	0.14	1.19
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	24	1.2	0.14	1.19
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	24	1.2	0.14	1.19
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	24	1.2	0.13	1.14
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	24	1.2	0.13	1.14
(1,568)	1:19:A:ALA:HB1	1:31:A:CYS:HB3	24	1.19	0.26	1.21
(1,568)	1:19:A:ALA:HB2	1:31:A:CYS:HB3	24	1.19	0.26	1.21
(1,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	24	1.19	0.26	1.21
(2,568)	1:19:A:ALA:HB1	1:31:A:CYS:HB3	24	1.19	0.26	1.21
(2,568)	1:19:A:ALA:HB2	1:31:A:CYS:HB3	24	1.19	0.26	1.21
(2,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	24	1.19	0.26	1.21
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB2	24	1.18	0.22	1.19
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB3	24	1.18	0.22	1.19
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	24	1.18	0.22	1.19
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB2	24	1.18	0.22	1.19
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB3	24	1.18	0.22	1.19
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	24	1.18	0.22	1.19
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	24	1.18	0.16	1.19
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	24	1.18	0.16	1.19
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	24	1.17	0.36	1.31
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG2	24	1.17	0.36	1.31
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	24	1.17	0.36	1.31
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG2	24	1.17	0.36	1.31
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB2	24	1.17	0.22	1.17
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB3	24	1.17	0.22	1.17
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	24	1.17	0.22	1.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB2	24	1.17	0.22	1.17
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB3	24	1.17	0.22	1.17
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	24	1.17	0.22	1.17
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	24	1.17	0.12	1.14
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	24	1.17	0.12	1.14
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	24	1.17	0.12	1.14
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	24	1.17	0.12	1.14
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	24	1.15	0.15	1.12
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	24	1.15	0.15	1.12
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	24	1.15	0.47	1.12
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	24	1.15	0.47	1.12
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	24	1.15	0.47	1.12
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	24	1.15	0.47	1.12
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	24	1.15	0.11	1.16
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	24	1.15	0.57	1.02
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	24	1.15	0.57	1.02
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	24	1.15	0.07	1.13
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD2	24	1.15	0.07	1.13
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	24	1.15	0.07	1.13
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD2	24	1.15	0.07	1.13
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	24	1.14	0.13	1.15
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	24	1.14	0.13	1.15
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	24	1.13	0.5	1.02
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	24	1.13	0.5	1.02
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	24	1.12	0.08	1.1
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	24	1.12	0.08	1.1
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG3	24	1.11	0.43	0.91
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	24	1.11	0.43	0.91
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG3	24	1.11	0.43	0.91
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	24	1.11	0.43	0.91
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	24	1.1	0.07	1.11
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	24	1.1	0.07	1.11
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD12	24	1.1	0.1	1.11
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	24	1.1	0.1	1.11
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	24	1.1	0.1	1.11
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD12	24	1.1	0.1	1.11
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	24	1.1	0.1	1.11
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	24	1.1	0.1	1.11
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD13	24	1.1	0.39	1.17
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD12	24	1.1	0.39	1.17
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD11	24	1.1	0.39	1.17
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	24	1.09	0.6	1.07

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,560)	1:32:A:ARG:HB3	1:20:A:ASN:HD21	24	1.09	0.6	1.07
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD22	24	1.09	0.6	1.07
(1,560)	1:32:A:ARG:HB3	1:20:A:ASN:HD22	24	1.09	0.6	1.07
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	24	1.09	0.6	1.07
(2,560)	1:32:A:ARG:HB3	1:20:A:ASN:HD21	24	1.09	0.6	1.07
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD22	24	1.09	0.6	1.07
(2,560)	1:32:A:ARG:HB3	1:20:A:ASN:HD22	24	1.09	0.6	1.07
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG22	24	1.08	0.21	1.07
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	24	1.08	0.21	1.07
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	24	1.08	0.21	1.07
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG22	24	1.08	0.21	1.07
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	24	1.08	0.21	1.07
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	24	1.08	0.21	1.07
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	24	1.08	0.14	1.04
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	24	1.08	0.14	1.04
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	24	1.07	0.07	1.06
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG12	24	1.07	0.07	1.06
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG22	24	1.07	0.07	1.06
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG23	24	1.07	0.07	1.06
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	24	1.07	0.07	1.06
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG12	24	1.07	0.07	1.06
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG22	24	1.07	0.07	1.06
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG23	24	1.07	0.07	1.06
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	24	1.06	0.09	1.04
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	24	1.06	0.09	1.04
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB3	24	1.04	0.06	1.03
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	24	1.04	0.06	1.03
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	24	1.04	0.06	1.03
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB3	24	1.04	0.06	1.03
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	24	1.04	0.06	1.03
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	24	1.04	0.06	1.03
(1,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	24	1.03	0.35	1.0
(1,362)	1:15:A:ILE:HD13	1:12:A:PRO:HD2	24	1.03	0.35	1.0
(1,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	24	1.03	0.35	1.0
(1,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD3	24	1.03	0.35	1.0
(2,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	24	1.03	0.35	1.0
(2,362)	1:15:A:ILE:HD13	1:12:A:PRO:HD2	24	1.03	0.35	1.0
(2,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	24	1.03	0.35	1.0
(2,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD3	24	1.03	0.35	1.0
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	24	1.03	0.5	1.09
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	24	1.03	0.5	1.09
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	24	1.03	0.3	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	24	1.03	0.3	0.94
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	24	1.02	0.24	1.04
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	24	1.02	0.24	1.04
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	24	1.02	0.24	1.04
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	24	1.02	0.24	1.04
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB2	24	1.01	0.12	1.0
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB3	24	1.01	0.12	1.0
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	24	1.01	0.12	1.0
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB2	24	1.01	0.12	1.0
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB3	24	1.01	0.12	1.0
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	24	1.01	0.12	1.0
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	24	1.01	0.02	1.01
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	24	1.01	0.02	1.01
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG2	24	1.0	0.44	0.95
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	24	1.0	0.44	0.95
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	24	1.0	0.22	1.02
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	24	1.0	0.22	1.02
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	24	1.0	0.22	1.02
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	24	1.0	0.22	1.02
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	24	1.0	0.22	1.02
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	24	1.0	0.22	1.02
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG22	24	0.96	0.22	0.96
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	24	0.96	0.22	0.96
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	24	0.96	0.22	0.96
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG22	24	0.96	0.22	0.96
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	24	0.96	0.22	0.96
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	24	0.96	0.22	0.96
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	24	0.96	0.0	0.96
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	24	0.96	0.0	0.96
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	24	0.95	0.04	0.96
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	24	0.95	0.04	0.96
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	24	0.95	0.09	0.96
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	24	0.95	0.09	0.96
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG22	24	0.95	0.09	0.96
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG12	24	0.95	0.09	0.96
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG21	24	0.95	0.09	0.96
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	24	0.95	0.09	0.96
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	24	0.95	0.09	0.96
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG22	24	0.95	0.09	0.96
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG12	24	0.95	0.09	0.96
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG21	24	0.95	0.09	0.96
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB3	24	0.95	0.22	0.98

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB1	24	0.95	0.22	0.98
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	24	0.95	0.22	0.98
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB3	24	0.95	0.22	0.98
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB1	24	0.95	0.22	0.98
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	24	0.95	0.22	0.98
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	24	0.94	0.06	0.94
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	24	0.94	0.06	0.94
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	24	0.94	0.03	0.94
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	24	0.94	0.03	0.94
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	24	0.92	0.12	0.94
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	24	0.92	0.12	0.94
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	24	0.9	0.04	0.9
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	24	0.9	0.04	0.9
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	24	0.9	0.39	1.06
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	24	0.9	0.05	0.89
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	24	0.9	0.05	0.89
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	24	0.89	0.09	0.92
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB2	24	0.89	0.09	0.92
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	24	0.89	0.09	0.92
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB2	24	0.89	0.09	0.92
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB1	24	0.88	0.18	0.9
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	24	0.88	0.18	0.9
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	24	0.88	0.18	0.9
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB1	24	0.88	0.18	0.9
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	24	0.88	0.18	0.9
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	24	0.88	0.18	0.9
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	24	0.87	0.16	0.86
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	24	0.87	0.16	0.86
(1,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	24	0.87	0.25	0.95
(1,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	24	0.87	0.25	0.95
(1,282)	1:15:A:ILE:HD13	1:12:A:PRO:HB2	24	0.87	0.25	0.95
(2,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	24	0.87	0.25	0.95
(2,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	24	0.87	0.25	0.95
(2,282)	1:15:A:ILE:HD13	1:12:A:PRO:HB2	24	0.87	0.25	0.95
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	24	0.86	0.25	0.82
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	24	0.86	0.25	0.82
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	24	0.86	0.6	0.56
(1,49)	1:9:A:THR:HG22	1:10:A:TYR:HD2	24	0.86	0.26	0.88
(1,49)	1:9:A:THR:HG21	1:10:A:TYR:HD2	24	0.86	0.26	0.88
(1,49)	1:9:A:THR:HG21	1:10:A:TYR:HD1	24	0.86	0.26	0.88
(1,49)	1:9:A:THR:HG23	1:10:A:TYR:HD1	24	0.86	0.26	0.88
(1,49)	1:9:A:THR:HG23	1:10:A:TYR:HD2	24	0.86	0.26	0.88

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,49)	1:9:A:THR:HG22	1:10:A:TYR:HD1	24	0.86	0.26	0.88
(2,49)	1:9:A:THR:HG22	1:10:A:TYR:HD2	24	0.86	0.26	0.88
(2,49)	1:9:A:THR:HG21	1:10:A:TYR:HD2	24	0.86	0.26	0.88
(2,49)	1:9:A:THR:HG21	1:10:A:TYR:HD1	24	0.86	0.26	0.88
(2,49)	1:9:A:THR:HG23	1:10:A:TYR:HD1	24	0.86	0.26	0.88
(2,49)	1:9:A:THR:HG23	1:10:A:TYR:HD2	24	0.86	0.26	0.88
(2,49)	1:9:A:THR:HG22	1:10:A:TYR:HD1	24	0.86	0.26	0.88
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD11	24	0.85	0.42	0.9
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	24	0.85	0.42	0.9
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD12	24	0.85	0.42	0.9
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD11	24	0.85	0.42	0.9
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	24	0.85	0.42	0.9
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD12	24	0.85	0.42	0.9
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG22	24	0.85	0.41	0.76
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	24	0.85	0.41	0.76
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	24	0.85	0.41	0.76
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG13	24	0.85	0.41	0.76
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG22	24	0.85	0.41	0.76
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	24	0.85	0.41	0.76
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	24	0.85	0.41	0.76
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG13	24	0.85	0.41	0.76
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG22	24	0.85	0.1	0.84
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG21	24	0.85	0.1	0.84
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG23	24	0.85	0.1	0.84
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG22	24	0.85	0.1	0.84
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG21	24	0.85	0.1	0.84
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG23	24	0.85	0.1	0.84
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG2	24	0.85	0.39	0.74
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	24	0.85	0.39	0.74
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG2	24	0.85	0.39	0.74
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	24	0.85	0.39	0.74
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	24	0.85	0.25	0.78
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	24	0.85	0.25	0.78
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD11	24	0.85	0.25	0.78
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	24	0.85	0.25	0.78
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	24	0.85	0.25	0.78
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD11	24	0.85	0.25	0.78
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	24	0.84	0.65	0.48
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	24	0.84	0.65	0.48
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	24	0.84	0.65	0.48
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	24	0.84	0.65	0.48
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	24	0.84	0.11	0.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	24	0.84	0.11	0.86
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	24	0.84	0.11	0.86
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	24	0.84	0.11	0.86
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	24	0.84	0.3	0.84
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	24	0.84	0.3	0.84
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD13	24	0.84	0.3	0.84
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	24	0.84	0.3	0.84
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	24	0.84	0.3	0.84
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD13	24	0.84	0.3	0.84
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	24	0.83	0.22	0.82
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	24	0.83	0.22	0.82
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	24	0.83	0.22	0.82
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	24	0.83	0.22	0.82
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB1	24	0.83	0.09	0.82
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB2	24	0.83	0.09	0.82
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB3	24	0.83	0.09	0.82
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB1	24	0.83	0.09	0.82
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB2	24	0.83	0.09	0.82
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB3	24	0.83	0.09	0.82
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	24	0.83	0.36	0.83
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	24	0.83	0.36	0.83
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	24	0.82	0.28	0.8
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	24	0.82	0.28	0.8
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	24	0.82	0.28	0.8
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	24	0.82	0.28	0.8
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	24	0.82	0.23	0.77
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	24	0.82	0.23	0.77
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	24	0.82	0.23	0.77
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	24	0.82	0.23	0.77
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	24	0.82	0.23	0.81
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	24	0.82	0.23	0.81
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	24	0.82	0.23	0.81
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	24	0.82	0.23	0.81
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	24	0.82	0.0	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	24	0.82	0.0	0.82
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	24	0.81	0.37	0.75
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD22	24	0.81	0.37	0.75
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	24	0.81	0.37	0.75
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD22	24	0.81	0.37	0.75
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	24	0.81	0.27	0.89
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	24	0.81	0.27	0.89
(1,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	24	0.81	0.02	0.82

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	24	0.81	0.02	0.82
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	24	0.81	0.27	0.89
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	24	0.81	0.27	0.89
(2,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	24	0.81	0.02	0.82
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	24	0.81	0.02	0.82
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	24	0.79	0.17	0.81
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	24	0.79	0.17	0.81
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	24	0.79	0.43	0.58
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG2	24	0.79	0.43	0.58
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	24	0.79	0.43	0.58
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG2	24	0.79	0.43	0.58
(1,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	24	0.79	0.29	0.75
(1,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	24	0.79	0.29	0.75
(1,476)	1:15:A:ILE:HD13	1:12:A:PRO:HG2	24	0.79	0.29	0.75
(2,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	24	0.79	0.29	0.75
(2,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	24	0.79	0.29	0.75
(2,476)	1:15:A:ILE:HD13	1:12:A:PRO:HG2	24	0.79	0.29	0.75
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	24	0.79	0.13	0.76
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	24	0.79	0.13	0.76
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	24	0.78	0.46	0.87
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD3	24	0.78	0.46	0.87
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	24	0.78	0.12	0.8
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	24	0.78	0.12	0.8
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	24	0.78	0.12	0.8
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	24	0.78	0.12	0.8
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	24	0.78	0.02	0.78
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	24	0.78	0.02	0.78
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	24	0.77	0.17	0.79
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	24	0.77	0.17	0.79
(1,648)	1:18:A:LYS:HG2	1:7:A:TYR:HD1	24	0.77	0.24	0.73
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	24	0.77	0.24	0.73
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD1	24	0.77	0.24	0.73
(1,648)	1:18:A:LYS:HG2	1:7:A:TYR:HD2	24	0.77	0.24	0.73
(2,648)	1:18:A:LYS:HG2	1:7:A:TYR:HD1	24	0.77	0.24	0.73
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	24	0.77	0.24	0.73
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD1	24	0.77	0.24	0.73
(2,648)	1:18:A:LYS:HG2	1:7:A:TYR:HD2	24	0.77	0.24	0.73
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	24	0.77	0.39	0.76
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	24	0.77	0.39	0.76
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB3	24	0.76	0.27	0.77
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB2	24	0.76	0.27	0.77
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB3	24	0.76	0.27	0.77

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB2	24	0.76	0.27	0.77
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG23	24	0.76	0.07	0.76
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	24	0.76	0.07	0.76
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	24	0.76	0.07	0.76
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG23	24	0.76	0.07	0.76
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	24	0.76	0.07	0.76
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	24	0.76	0.07	0.76
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	24	0.76	0.13	0.76
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	24	0.76	0.13	0.76
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	24	0.75	0.03	0.75
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	24	0.75	0.03	0.75
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	24	0.74	0.32	0.65
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	24	0.74	0.32	0.65
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	24	0.74	0.21	0.74
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG13	24	0.74	0.21	0.74
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	24	0.74	0.21	0.74
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG13	24	0.74	0.21	0.74
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	24	0.73	0.04	0.74
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	24	0.73	0.04	0.74
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD2	24	0.73	0.34	0.9
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	24	0.73	0.34	0.9
(3,8)	1:36:A:ILE:HG23	1:36:A:ILE:HD11	24	0.73	0.79	0.24
(3,8)	1:36:A:ILE:HG23	1:36:A:ILE:HD12	24	0.73	0.79	0.24
(3,8)	1:36:A:ILE:HG22	1:36:A:ILE:HD13	24	0.73	0.79	0.24
(3,8)	1:36:A:ILE:HG21	1:36:A:ILE:HD12	24	0.73	0.79	0.24
(3,8)	1:36:A:ILE:HG22	1:36:A:ILE:HD11	24	0.73	0.79	0.24
(3,8)	1:36:A:ILE:HG23	1:36:A:ILE:HD13	24	0.73	0.79	0.24
(3,8)	1:36:A:ILE:HG21	1:36:A:ILE:HD11	24	0.73	0.79	0.24
(3,8)	1:36:A:ILE:HG21	1:36:A:ILE:HD13	24	0.73	0.79	0.24
(3,8)	1:36:A:ILE:HG22	1:36:A:ILE:HD12	24	0.73	0.79	0.24
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	24	0.73	0.2	0.72
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	24	0.73	0.2	0.72
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	24	0.73	0.2	0.72
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	24	0.73	0.2	0.72
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	24	0.72	0.62	0.46
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	24	0.72	0.62	0.46
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	24	0.72	0.62	0.46
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	24	0.72	0.62	0.46
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	24	0.72	0.03	0.72
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	24	0.72	0.03	0.72
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	24	0.71	0.18	0.72
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	24	0.71	0.18	0.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	24	0.71	0.32	0.6
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	24	0.71	0.32	0.6
(1,319)	1:22:A:SER:H	1:22:A:SER:HB2	24	0.71	0.29	0.55
(1,319)	1:22:A:SER:H	1:22:A:SER:HB3	24	0.71	0.29	0.55
(2,319)	1:22:A:SER:H	1:22:A:SER:HB2	24	0.71	0.29	0.55
(2,319)	1:22:A:SER:H	1:22:A:SER:HB3	24	0.71	0.29	0.55
(1,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD12	24	0.7	0.21	0.7
(1,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD12	24	0.7	0.21	0.7
(1,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD11	24	0.7	0.21	0.7
(1,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD11	24	0.7	0.21	0.7
(1,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD13	24	0.7	0.21	0.7
(1,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD12	24	0.7	0.21	0.7
(1,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD11	24	0.7	0.21	0.7
(1,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD13	24	0.7	0.21	0.7
(1,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD13	24	0.7	0.21	0.7
(2,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD12	24	0.7	0.21	0.7
(2,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD12	24	0.7	0.21	0.7
(2,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD11	24	0.7	0.21	0.7
(2,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD11	24	0.7	0.21	0.7
(2,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD13	24	0.7	0.21	0.7
(2,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD12	24	0.7	0.21	0.7
(2,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD11	24	0.7	0.21	0.7
(2,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD13	24	0.7	0.21	0.7
(2,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD13	24	0.7	0.21	0.7
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	24	0.69	0.07	0.67
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	24	0.69	0.07	0.67
(1,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	24	0.68	0.24	0.65
(1,197)	1:15:A:ILE:HG23	1:12:A:PRO:HD2	24	0.68	0.24	0.65
(1,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	24	0.68	0.24	0.65
(2,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	24	0.68	0.24	0.65
(2,197)	1:15:A:ILE:HG23	1:12:A:PRO:HD2	24	0.68	0.24	0.65
(2,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	24	0.68	0.24	0.65
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	24	0.68	0.05	0.68
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	24	0.68	0.05	0.68
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	24	0.68	0.22	0.72
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	24	0.68	0.22	0.72
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG22	24	0.67	0.23	0.57
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	24	0.67	0.23	0.57
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	24	0.67	0.23	0.57
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG22	24	0.67	0.23	0.57
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	24	0.67	0.23	0.57
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	24	0.67	0.23	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG12	24	0.67	0.35	0.56
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	24	0.67	0.35	0.56
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB2	24	0.67	0.41	0.44
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB3	24	0.67	0.41	0.44
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	24	0.66	0.44	0.45
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG12	24	0.66	0.44	0.45
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG23	24	0.65	0.25	0.66
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG21	24	0.65	0.25	0.66
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG22	24	0.65	0.25	0.66
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG23	24	0.65	0.25	0.66
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG21	24	0.65	0.25	0.66
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG22	24	0.65	0.25	0.66
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	24	0.65	0.05	0.65
(1,159)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	24	0.65	0.05	0.65
(1,159)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	24	0.65	0.05	0.65
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	24	0.65	0.05	0.65
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	24	0.65	0.05	0.65
(2,159)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	24	0.65	0.05	0.65
(2,159)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	24	0.65	0.05	0.65
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	24	0.65	0.05	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	24	0.65	0.0	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	24	0.65	0.0	0.65
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	24	0.64	0.02	0.64
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	24	0.64	0.02	0.64
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	24	0.64	0.27	0.81
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	24	0.64	0.27	0.81
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	24	0.63	0.15	0.6
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	24	0.63	0.15	0.6
(1,638)	1:28:A:LYS:HB2	1:28:A:LYS:HD3	24	0.63	0.05	0.63
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	24	0.63	0.05	0.63
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	24	0.63	0.05	0.63
(1,638)	1:28:A:LYS:HB2	1:28:A:LYS:HD2	24	0.63	0.05	0.63
(2,638)	1:28:A:LYS:HB2	1:28:A:LYS:HD3	24	0.63	0.05	0.63
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	24	0.63	0.05	0.63
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	24	0.63	0.05	0.63
(2,638)	1:28:A:LYS:HB2	1:28:A:LYS:HD2	24	0.63	0.05	0.63
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	24	0.63	0.04	0.64
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	24	0.63	0.04	0.64
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	24	0.63	0.2	0.66
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	24	0.63	0.2	0.66
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	24	0.62	0.19	0.62
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	24	0.62	0.19	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG23	24	0.62	0.15	0.62
(1,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG21	24	0.62	0.15	0.62
(1,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG22	24	0.62	0.15	0.62
(1,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG22	24	0.62	0.15	0.62
(1,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG22	24	0.62	0.15	0.62
(1,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG21	24	0.62	0.15	0.62
(1,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG23	24	0.62	0.15	0.62
(1,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG21	24	0.62	0.15	0.62
(1,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG23	24	0.62	0.15	0.62
(2,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG23	24	0.62	0.15	0.62
(2,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG21	24	0.62	0.15	0.62
(2,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG22	24	0.62	0.15	0.62
(2,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG22	24	0.62	0.15	0.62
(2,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG22	24	0.62	0.15	0.62
(2,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG21	24	0.62	0.15	0.62
(2,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG23	24	0.62	0.15	0.62
(2,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG21	24	0.62	0.15	0.62
(2,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG23	24	0.62	0.15	0.62
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	24	0.61	0.19	0.61
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	24	0.61	0.19	0.61
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	24	0.61	0.02	0.62
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	24	0.61	0.02	0.62
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	24	0.61	0.04	0.62
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	24	0.61	0.04	0.62
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG23	24	0.6	0.07	0.6
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	24	0.6	0.07	0.6
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	24	0.6	0.07	0.6
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG23	24	0.6	0.07	0.6
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	24	0.6	0.07	0.6
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	24	0.6	0.07	0.6
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	24	0.6	0.05	0.6
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	24	0.6	0.05	0.6
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	24	0.6	0.07	0.58
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	24	0.6	0.09	0.59
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	24	0.6	0.09	0.59
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	24	0.6	0.04	0.59
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	24	0.6	0.04	0.59
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	24	0.6	0.17	0.61
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	24	0.6	0.17	0.61
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG22	24	0.6	0.17	0.61
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	24	0.6	0.17	0.61
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	24	0.6	0.17	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG22	24	0.6	0.17	0.61
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	24	0.59	0.28	0.46
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	24	0.59	0.28	0.46
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	24	0.59	0.28	0.46
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	24	0.59	0.28	0.46
(1,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	24	0.59	0.0	0.59
(1,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	24	0.59	0.0	0.59
(2,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	24	0.59	0.0	0.59
(2,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	24	0.59	0.0	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	24	0.59	0.0	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	24	0.59	0.0	0.59
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	24	0.58	0.15	0.55
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	24	0.58	0.15	0.55
(1,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG2	24	0.58	0.02	0.59
(1,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	24	0.58	0.02	0.59
(1,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	24	0.58	0.02	0.59
(2,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG2	24	0.58	0.02	0.59
(2,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	24	0.58	0.02	0.59
(2,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	24	0.58	0.02	0.59
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	24	0.58	0.7	0.28
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD2	24	0.58	0.7	0.28
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	24	0.58	0.7	0.28
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD2	24	0.58	0.7	0.28
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	24	0.58	0.12	0.55
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG2	24	0.58	0.12	0.55
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	24	0.58	0.12	0.55
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG2	24	0.58	0.12	0.55
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	24	0.57	0.28	0.5
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	24	0.57	0.28	0.5
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB2	24	0.57	0.4	0.4
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB3	24	0.57	0.4	0.4
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB2	24	0.57	0.4	0.4
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB3	24	0.57	0.4	0.4
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	24	0.57	0.47	0.32
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	24	0.57	0.47	0.32
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	24	0.57	0.47	0.32
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	24	0.57	0.47	0.32
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	24	0.57	0.04	0.57
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	24	0.57	0.04	0.57
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	24	0.57	0.04	0.57
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	24	0.57	0.04	0.57
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	24	0.56	0.16	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	24	0.56	0.16	0.53
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	24	0.56	0.16	0.53
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	24	0.56	0.16	0.53
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	24	0.56	0.07	0.56
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	24	0.56	0.07	0.56
(3,78)	1:25:A:LYS:HG2	1:25:A:LYS:HD3	24	0.55	0.03	0.56
(3,78)	1:25:A:LYS:HG3	1:25:A:LYS:HD2	24	0.55	0.03	0.56
(1,523)	1:18:A:LYS:HB3	1:18:A:LYS:HD2	24	0.55	0.18	0.48
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	24	0.55	0.18	0.48
(2,523)	1:18:A:LYS:HB3	1:18:A:LYS:HD2	24	0.55	0.18	0.48
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	24	0.55	0.18	0.48
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB2	24	0.54	0.1	0.55
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB3	24	0.54	0.1	0.55
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	24	0.54	0.1	0.55
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB2	24	0.54	0.1	0.55
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB3	24	0.54	0.1	0.55
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	24	0.54	0.1	0.55
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	24	0.54	0.11	0.52
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	24	0.54	0.11	0.52
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	24	0.53	0.07	0.52
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	24	0.53	0.07	0.52
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	24	0.52	0.06	0.51
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	24	0.52	0.06	0.51
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB1	24	0.51	0.19	0.53
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB2	24	0.51	0.19	0.53
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	24	0.51	0.19	0.53
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB1	24	0.51	0.19	0.53
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB2	24	0.51	0.19	0.53
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	24	0.51	0.19	0.53
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	24	0.5	0.08	0.49
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB3	24	0.5	0.08	0.49
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	24	0.5	0.08	0.49
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	24	0.5	0.08	0.49
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB3	24	0.5	0.08	0.49
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	24	0.5	0.08	0.49
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	24	0.5	0.06	0.49
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB3	24	0.5	0.06	0.49
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	24	0.5	0.06	0.49
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB3	24	0.5	0.06	0.49
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	24	0.49	0.14	0.44
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	24	0.49	0.14	0.44
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	24	0.48	0.12	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	24	0.48	0.12	0.47
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	24	0.48	0.11	0.48
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB2	24	0.48	0.11	0.48
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	24	0.48	0.11	0.48
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB2	24	0.48	0.11	0.48
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	24	0.47	0.13	0.48
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	24	0.47	0.13	0.48
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	24	0.47	0.15	0.46
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	24	0.47	0.13	0.48
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	24	0.47	0.13	0.48
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	24	0.47	0.15	0.46
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	24	0.47	0.03	0.46
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	24	0.47	0.03	0.46
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	24	0.46	0.12	0.46
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	24	0.46	0.12	0.46
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	24	0.46	0.02	0.46
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	24	0.46	0.02	0.46
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	24	0.46	0.05	0.46
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	24	0.46	0.05	0.46
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	24	0.46	0.03	0.46
(1,527)	1:27:A:LYS:HG3	1:27:A:LYS:HD2	24	0.46	0.03	0.46
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD2	24	0.46	0.03	0.46
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	24	0.46	0.03	0.46
(2,527)	1:27:A:LYS:HG3	1:27:A:LYS:HD2	24	0.46	0.03	0.46
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD2	24	0.46	0.03	0.46
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	24	0.45	0.04	0.46
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	24	0.45	0.04	0.46
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	24	0.45	0.15	0.45
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	24	0.45	0.15	0.45
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	24	0.45	0.0	0.45
(1,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	24	0.45	0.0	0.45
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	24	0.45	0.0	0.45
(2,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	24	0.45	0.0	0.45
(1,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	24	0.45	0.2	0.38
(1,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	24	0.45	0.2	0.38
(1,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD2	24	0.45	0.2	0.38
(1,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD3	24	0.45	0.2	0.38
(2,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	24	0.45	0.2	0.38
(2,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	24	0.45	0.2	0.38
(2,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD2	24	0.45	0.2	0.38
(2,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD3	24	0.45	0.2	0.38
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	24	0.44	0.01	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	24	0.44	0.01	0.44
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	24	0.44	0.08	0.44
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	24	0.44	0.08	0.44
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG22	24	0.44	0.09	0.42
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	24	0.44	0.09	0.42
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	24	0.44	0.09	0.42
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG22	24	0.44	0.09	0.42
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	24	0.44	0.09	0.42
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	24	0.44	0.09	0.42
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	24	0.43	0.16	0.5
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	24	0.42	0.01	0.42
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	24	0.42	0.01	0.42
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	24	0.42	0.14	0.38
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	24	0.42	0.14	0.38
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	24	0.42	0.16	0.42
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	24	0.42	0.02	0.42
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	24	0.42	0.16	0.42
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	24	0.42	0.02	0.42
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG22	24	0.42	0.06	0.42
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	24	0.42	0.06	0.42
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	24	0.42	0.06	0.42
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG22	24	0.42	0.06	0.42
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	24	0.42	0.06	0.42
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	24	0.42	0.06	0.42
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	24	0.41	0.02	0.42
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	24	0.41	0.02	0.42
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	24	0.41	0.03	0.41
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	24	0.41	0.03	0.41
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	24	0.4	0.04	0.41
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	24	0.4	0.04	0.41
(1,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	24	0.4	0.02	0.4
(1,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	24	0.4	0.02	0.4
(1,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG2	24	0.4	0.02	0.4
(2,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	24	0.4	0.02	0.4
(2,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	24	0.4	0.02	0.4
(2,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG2	24	0.4	0.02	0.4
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	24	0.4	0.03	0.41
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	24	0.4	0.03	0.41
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB2	24	0.39	0.08	0.42
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	24	0.39	0.08	0.42
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	24	0.39	0.08	0.42
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB2	24	0.39	0.08	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	24	0.39	0.08	0.42
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	24	0.39	0.08	0.42
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	24	0.39	0.03	0.4
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	24	0.39	0.03	0.4
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	24	0.39	0.12	0.39
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	24	0.39	0.12	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	24	0.39	0.0	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	24	0.39	0.0	0.39
(1,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	24	0.39	0.01	0.39
(1,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	24	0.39	0.01	0.39
(1,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE2	24	0.39	0.01	0.39
(1,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE3	24	0.39	0.01	0.39
(2,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	24	0.39	0.01	0.39
(2,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	24	0.39	0.01	0.39
(2,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE2	24	0.39	0.01	0.39
(2,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE3	24	0.39	0.01	0.39
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	24	0.38	0.06	0.38
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	24	0.38	0.06	0.38
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	24	0.38	0.06	0.38
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	24	0.38	0.06	0.38
(1,524)	1:18:A:LYS:HG2	1:18:A:LYS:HD3	24	0.38	0.03	0.39
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	24	0.38	0.03	0.39
(2,524)	1:18:A:LYS:HG2	1:18:A:LYS:HD3	24	0.38	0.03	0.39
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	24	0.38	0.03	0.39
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	24	0.38	0.03	0.38
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	24	0.38	0.03	0.38
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	24	0.37	0.11	0.33
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	24	0.37	0.11	0.33
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	24	0.36	0.01	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG21	24	0.36	0.01	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	24	0.36	0.01	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG22	24	0.36	0.01	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG13	24	0.36	0.01	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG23	24	0.36	0.01	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	24	0.36	0.01	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG21	24	0.36	0.01	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	24	0.36	0.01	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG22	24	0.36	0.01	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG13	24	0.36	0.01	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG23	24	0.36	0.01	0.37
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	24	0.36	0.05	0.35
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	24	0.36	0.05	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	24	0.35	0.04	0.36
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	24	0.35	0.04	0.36
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	24	0.35	0.07	0.36
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	24	0.35	0.07	0.36
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	24	0.35	0.02	0.36
(1,526)	1:3:A:LYS:HG3	1:3:A:LYS:HD2	24	0.35	0.02	0.36
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	24	0.35	0.02	0.36
(2,526)	1:3:A:LYS:HG3	1:3:A:LYS:HD2	24	0.35	0.02	0.36
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	24	0.35	0.07	0.37
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	24	0.35	0.07	0.37
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB2	24	0.34	0.04	0.33
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB3	24	0.34	0.04	0.33
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD3	24	0.34	0.11	0.36
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	24	0.34	0.11	0.36
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD3	24	0.34	0.11	0.36
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	24	0.34	0.11	0.36
(1,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	24	0.34	0.05	0.36
(1,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	24	0.34	0.05	0.36
(1,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	24	0.34	0.05	0.36
(2,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	24	0.34	0.05	0.36
(2,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	24	0.34	0.05	0.36
(2,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	24	0.34	0.05	0.36
(1,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	24	0.34	0.05	0.38
(1,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	24	0.34	0.05	0.38
(2,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	24	0.34	0.05	0.38
(2,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	24	0.34	0.05	0.38
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	24	0.33	0.05	0.34
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	24	0.33	0.05	0.34
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG23	24	0.33	0.13	0.32
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG21	24	0.33	0.13	0.32
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG22	24	0.33	0.13	0.32
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG23	24	0.33	0.13	0.32
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG21	24	0.33	0.13	0.32
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG22	24	0.33	0.13	0.32
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	24	0.32	0.1	0.32
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	24	0.32	0.1	0.32
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	24	0.32	0.21	0.28
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB3	24	0.32	0.06	0.32
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB2	24	0.32	0.06	0.32
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	24	0.32	0.05	0.33
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	24	0.32	0.05	0.33
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	24	0.31	0.1	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	24	0.3	0.1	0.3
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	24	0.3	0.1	0.3
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	24	0.29	0.03	0.3
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB2	24	0.29	0.03	0.3
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	24	0.29	0.03	0.3
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB2	24	0.29	0.03	0.3
(3,2)	1:43:A:PHE:HD2	1:43:A:PHE:HE2	24	0.29	0.0	0.29
(3,2)	1:43:A:PHE:HD1	1:43:A:PHE:HE1	24	0.29	0.0	0.29
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	24	0.29	0.01	0.28
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	24	0.29	0.01	0.28
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	24	0.28	0.03	0.3
(1,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	24	0.28	0.03	0.3
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG3	24	0.28	0.03	0.3
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	24	0.28	0.03	0.3
(2,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	24	0.28	0.03	0.3
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG3	24	0.28	0.03	0.3
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	24	0.28	0.05	0.3
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	24	0.28	0.05	0.3
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	24	0.28	0.06	0.3
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	24	0.28	0.06	0.3
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	24	0.27	0.02	0.27
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	24	0.27	0.02	0.27
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	24	0.27	0.12	0.25
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG2	24	0.27	0.12	0.25
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	24	0.27	0.12	0.25
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG2	24	0.27	0.12	0.25
(1,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	24	0.26	0.03	0.27
(1,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	24	0.26	0.03	0.27
(2,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	24	0.26	0.03	0.27
(2,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	24	0.26	0.03	0.27
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG21	24	0.26	0.03	0.26
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG23	24	0.26	0.03	0.26
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG22	24	0.26	0.03	0.26
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG21	24	0.26	0.03	0.26
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG23	24	0.26	0.03	0.26
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG22	24	0.26	0.03	0.26
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG13	24	0.26	0.02	0.26
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG12	24	0.26	0.02	0.26
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	24	0.25	0.02	0.26
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	24	0.25	0.02	0.26
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB2	24	0.25	0.01	0.25
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	24	0.25	0.01	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	24	0.25	0.01	0.25
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB2	24	0.25	0.01	0.25
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	24	0.25	0.01	0.25
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	24	0.25	0.01	0.25
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	24	0.25	0.07	0.22
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	24	0.25	0.07	0.22
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	24	0.25	0.03	0.25
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	24	0.25	0.03	0.25
(1,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	24	0.24	0.03	0.26
(1,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	24	0.24	0.03	0.26
(2,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	24	0.24	0.03	0.26
(2,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	24	0.24	0.03	0.26
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG13	24	0.24	0.04	0.25
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG22	24	0.24	0.04	0.25
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	24	0.24	0.04	0.25
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG11	24	0.24	0.04	0.25
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG21	24	0.24	0.04	0.25
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG13	24	0.24	0.04	0.25
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG22	24	0.24	0.04	0.25
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	24	0.24	0.04	0.25
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG11	24	0.24	0.04	0.25
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG21	24	0.24	0.04	0.25
(1,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	24	0.24	0.02	0.25
(1,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	24	0.24	0.02	0.25
(2,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	24	0.24	0.02	0.25
(2,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	24	0.24	0.02	0.25
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	24	0.24	0.04	0.24
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	24	0.24	0.04	0.24
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	24	0.24	0.06	0.23
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB2	24	0.24	0.06	0.23
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	24	0.24	0.06	0.23
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB2	24	0.24	0.06	0.23
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	24	0.24	0.03	0.24
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	24	0.24	0.03	0.24
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	24	0.24	0.03	0.24
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	24	0.24	0.03	0.24
(1,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE2	24	0.24	0.07	0.24
(1,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	24	0.24	0.07	0.24
(1,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE2	24	0.24	0.07	0.24
(1,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE3	24	0.24	0.07	0.24
(2,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE2	24	0.24	0.07	0.24
(2,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	24	0.24	0.07	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE2	24	0.24	0.07	0.24
(2,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE3	24	0.24	0.07	0.24
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	24	0.24	0.11	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	24	0.24	0.11	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	24	0.24	0.11	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	24	0.24	0.11	0.21
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	24	0.24	0.01	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB2	24	0.24	0.01	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	24	0.24	0.01	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB2	24	0.24	0.01	0.24
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	24	0.23	0.05	0.24
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	24	0.23	0.05	0.24
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG21	24	0.23	0.01	0.24
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG22	24	0.23	0.01	0.24
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG23	24	0.23	0.01	0.24
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG21	24	0.23	0.01	0.24
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG22	24	0.23	0.01	0.24
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG23	24	0.23	0.01	0.24
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	24	0.23	0.02	0.23
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	24	0.23	0.02	0.23
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	24	0.23	0.02	0.23
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	24	0.23	0.02	0.23
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	24	0.23	0.01	0.23
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG12	24	0.23	0.01	0.23
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	24	0.23	0.01	0.23
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG12	24	0.23	0.01	0.23
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	24	0.23	0.03	0.23
(1,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG2	24	0.23	0.03	0.23
(1,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG3	24	0.23	0.03	0.23
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG3	24	0.23	0.03	0.23
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	24	0.23	0.03	0.23
(2,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG2	24	0.23	0.03	0.23
(2,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG3	24	0.23	0.03	0.23
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG3	24	0.23	0.03	0.23
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	24	0.23	0.03	0.23
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	24	0.23	0.03	0.23
(1,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	24	0.23	0.02	0.23
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	24	0.23	0.02	0.23
(1,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD2	24	0.23	0.02	0.23
(2,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	24	0.23	0.02	0.23
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	24	0.23	0.02	0.23
(2,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD2	24	0.23	0.02	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	24	0.22	0.05	0.2
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE3	24	0.22	0.05	0.2
(1,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE3	24	0.22	0.05	0.2
(1,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE2	24	0.22	0.05	0.2
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	24	0.22	0.05	0.2
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE3	24	0.22	0.05	0.2
(2,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE3	24	0.22	0.05	0.2
(2,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE2	24	0.22	0.05	0.2
(3,9)	1:36:A:ILE:HD11	1:36:A:ILE:HG13	24	0.22	0.01	0.22
(3,9)	1:36:A:ILE:HD12	1:36:A:ILE:HG12	24	0.22	0.01	0.22
(3,9)	1:36:A:ILE:HD13	1:36:A:ILE:HG12	24	0.22	0.01	0.22
(3,9)	1:36:A:ILE:HD12	1:36:A:ILE:HG13	24	0.22	0.01	0.22
(3,9)	1:36:A:ILE:HD13	1:36:A:ILE:HG13	24	0.22	0.01	0.22
(3,9)	1:36:A:ILE:HD11	1:36:A:ILE:HG12	24	0.22	0.01	0.22
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	24	0.22	0.04	0.22
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	24	0.22	0.04	0.22
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG23	24	0.22	0.04	0.22
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	24	0.22	0.04	0.22
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	24	0.22	0.04	0.22
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG23	24	0.22	0.04	0.22
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	24	0.22	0.02	0.22
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	24	0.22	0.02	0.22
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	24	0.22	0.04	0.22
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	24	0.22	0.04	0.22
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	24	0.21	0.01	0.22
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	24	0.21	0.01	0.22
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	24	0.21	0.03	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB3	24	0.21	0.03	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	24	0.21	0.03	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB3	24	0.21	0.03	0.21
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	24	0.21	0.05	0.2
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	24	0.21	0.05	0.2
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG22	24	0.21	0.04	0.22
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG23	24	0.21	0.04	0.22
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG21	24	0.21	0.04	0.22
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG22	24	0.21	0.04	0.22
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG23	24	0.21	0.04	0.22
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG21	24	0.21	0.04	0.22
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	24	0.21	0.05	0.2
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB2	24	0.21	0.05	0.2
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	24	0.21	0.05	0.2
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB2	24	0.21	0.05	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	24	0.21	0.02	0.21
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	24	0.21	0.02	0.21
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB3	24	0.2	0.03	0.2
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB2	24	0.2	0.03	0.2
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB3	24	0.2	0.03	0.2
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB2	24	0.2	0.03	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG21	24	0.2	0.01	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG23	24	0.2	0.01	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG12	24	0.2	0.01	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG13	24	0.2	0.01	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG11	24	0.2	0.01	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG22	24	0.2	0.01	0.2
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG21	24	0.2	0.01	0.2
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG23	24	0.2	0.01	0.2
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG12	24	0.2	0.01	0.2
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG13	24	0.2	0.01	0.2
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG11	24	0.2	0.01	0.2
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG22	24	0.2	0.01	0.2
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	24	0.19	0.04	0.18
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	24	0.18	0.01	0.18
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	24	0.18	0.01	0.18
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB2	24	0.18	0.04	0.19
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB3	24	0.18	0.04	0.19
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB2	24	0.18	0.04	0.19
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB3	24	0.18	0.04	0.19
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	24	0.18	0.02	0.18
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	24	0.18	0.01	0.17
(1,517)	1:12:A:PRO:HB2	1:12:A:PRO:HG2	24	0.18	0.01	0.17
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	24	0.18	0.02	0.18
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	24	0.18	0.01	0.17
(2,517)	1:12:A:PRO:HB2	1:12:A:PRO:HG2	24	0.18	0.01	0.17
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	24	0.18	0.03	0.18
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	24	0.18	0.03	0.18
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	24	0.18	0.02	0.19
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	24	0.18	0.02	0.19
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	24	0.17	0.02	0.17
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	24	0.17	0.02	0.17
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	24	0.17	0.02	0.17
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	24	0.17	0.02	0.17
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	24	0.16	0.02	0.17
(1,647)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	24	0.16	0.02	0.17
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	24	0.16	0.02	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,647)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	24	0.16	0.02	0.17
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	24	0.15	0.01	0.15
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	24	0.15	0.01	0.15
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	24	0.14	0.03	0.13
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	24	0.14	0.03	0.13
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	24	0.14	0.03	0.13
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	24	0.14	0.03	0.13
(3,70)	1:36:A:ILE:HD13	1:43:A:PHE:HD2	23	6.22	5.53	7.64
(3,70)	1:36:A:ILE:HD11	1:43:A:PHE:HD2	23	6.22	5.53	7.64
(3,70)	1:36:A:ILE:HD12	1:43:A:PHE:HD2	23	6.22	5.53	7.64
(3,70)	1:36:A:ILE:HD12	1:43:A:PHE:HD1	23	6.22	5.53	7.64
(3,70)	1:36:A:ILE:HD11	1:43:A:PHE:HD1	23	6.22	5.53	7.64
(3,70)	1:36:A:ILE:HD13	1:43:A:PHE:HD1	23	6.22	5.53	7.64
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG2	23	3.51	1.66	3.27
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG3	23	3.51	1.66	3.27
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD13	23	3.46	2.74	4.71
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD11	23	3.46	2.74	4.71
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD12	23	3.46	2.74	4.71
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD2	23	3.33	2.51	4.4
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD1	23	3.33	2.51	4.4
(3,66)	1:25:A:LYS:HB3	1:43:A:PHE:HD1	23	3.33	2.51	4.4
(3,92)	1:36:A:ILE:HG21	1:38:A:MET:HG2	23	3.1	1.29	2.58
(3,92)	1:36:A:ILE:HG23	1:38:A:MET:HG2	23	3.1	1.29	2.58
(3,92)	1:36:A:ILE:HG23	1:38:A:MET:HG3	23	3.1	1.29	2.58
(3,92)	1:36:A:ILE:HG22	1:38:A:MET:HG3	23	3.1	1.29	2.58
(3,92)	1:36:A:ILE:HG22	1:38:A:MET:HG2	23	3.1	1.29	2.58
(3,92)	1:36:A:ILE:HG21	1:38:A:MET:HG3	23	3.1	1.29	2.58
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB2	23	2.03	0.97	1.97
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB3	23	2.03	0.97	1.97
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB2	23	2.03	0.97	1.97
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB3	23	2.03	0.97	1.97
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	23	1.79	0.61	2.01
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	23	1.79	0.61	2.01
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	23	1.79	0.61	2.01
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	23	1.79	0.61	2.01
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD13	23	1.51	1.0	2.1
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD12	23	1.51	1.0	2.1
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD11	23	1.51	1.0	2.1
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG21	23	1.51	0.82	2.01
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG22	23	1.51	0.82	2.01
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG23	23	1.51	0.82	2.01
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	23	1.21	0.35	1.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD2	23	1.21	0.35	1.25
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	23	1.21	0.35	1.25
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD2	23	1.21	0.35	1.25
(1,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	23	1.19	0.43	1.27
(1,313)	1:41:A:SER:HB3	1:10:A:TYR:HE2	23	1.19	0.43	1.27
(1,313)	1:41:A:SER:HB2	1:10:A:TYR:HE1	23	1.19	0.43	1.27
(1,313)	1:41:A:SER:HB3	1:10:A:TYR:HE1	23	1.19	0.43	1.27
(2,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	23	1.19	0.43	1.27
(2,313)	1:41:A:SER:HB3	1:10:A:TYR:HE2	23	1.19	0.43	1.27
(2,313)	1:41:A:SER:HB2	1:10:A:TYR:HE1	23	1.19	0.43	1.27
(2,313)	1:41:A:SER:HB3	1:10:A:TYR:HE1	23	1.19	0.43	1.27
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	23	1.18	0.89	1.06
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	23	1.15	0.65	1.59
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG2	23	1.15	0.65	1.59
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	23	1.15	0.65	1.59
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG2	23	1.15	0.65	1.59
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	23	1.12	0.7	1.47
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	23	1.12	0.7	1.47
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	23	1.12	0.7	1.47
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	23	1.12	0.7	1.47
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	23	1.09	0.26	1.2
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	23	1.09	0.26	1.2
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	23	1.07	0.7	1.2
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	23	1.07	0.7	1.2
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	23	1.07	0.7	1.2
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	23	1.07	0.7	1.2
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	23	1.05	0.59	0.99
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	23	1.05	0.59	0.99
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	23	1.05	0.59	0.99
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	23	1.05	0.59	0.99
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB3	23	1.04	0.67	0.83
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB2	23	1.04	0.67	0.83
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB3	23	1.04	0.67	0.83
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB2	23	1.04	0.67	0.83
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	23	0.99	0.39	0.97
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	23	0.99	0.39	0.97
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	23	0.99	0.39	0.97
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	23	0.99	0.39	0.97
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG2	23	0.99	0.39	1.07
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	23	0.99	0.39	1.07
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG2	23	0.99	0.39	1.07
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	23	0.99	0.39	1.07

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	23	0.93	0.21	0.98
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB3	23	0.93	0.21	0.98
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	23	0.93	0.21	0.98
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB3	23	0.93	0.21	0.98
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	23	0.9	0.8	0.49
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	23	0.9	0.8	0.49
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	23	0.9	0.8	0.49
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	23	0.9	0.8	0.49
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	23	0.9	0.48	0.91
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	23	0.9	0.48	0.91
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	23	0.9	0.48	0.91
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	23	0.9	0.48	0.91
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	23	0.86	0.65	0.66
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	23	0.86	0.65	0.66
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	23	0.86	0.65	0.66
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	23	0.86	0.65	0.66
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	23	0.85	0.39	0.78
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	23	0.85	0.39	0.78
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	23	0.85	0.59	0.56
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB3	23	0.85	0.59	0.56
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	23	0.85	0.59	0.56
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB3	23	0.85	0.59	0.56
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	23	0.82	0.78	0.41
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	23	0.82	0.78	0.41
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	23	0.82	0.78	0.41
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	23	0.82	0.78	0.41
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE2	23	0.76	0.39	0.74
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE1	23	0.76	0.39	0.74
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE2	23	0.76	0.39	0.74
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE1	23	0.76	0.39	0.74
(1,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD2	23	0.75	0.5	0.65
(1,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD3	23	0.75	0.5	0.65
(1,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD3	23	0.75	0.5	0.65
(1,619)	1:29:A:VAL:HG21	1:5:A:ARG:HD3	23	0.75	0.5	0.65
(1,619)	1:29:A:VAL:HG12	1:5:A:ARG:HD3	23	0.75	0.5	0.65
(1,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD2	23	0.75	0.5	0.65
(1,619)	1:29:A:VAL:HG22	1:5:A:ARG:HD2	23	0.75	0.5	0.65
(1,619)	1:29:A:VAL:HG23	1:5:A:ARG:HD3	23	0.75	0.5	0.65
(2,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD2	23	0.75	0.5	0.65
(2,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD3	23	0.75	0.5	0.65
(2,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD3	23	0.75	0.5	0.65
(2,619)	1:29:A:VAL:HG21	1:5:A:ARG:HD3	23	0.75	0.5	0.65

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,619)	1:29:A:VAL:HG12	1:5:A:ARG:HD3	23	0.75	0.5	0.65
(2,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD2	23	0.75	0.5	0.65
(2,619)	1:29:A:VAL:HG22	1:5:A:ARG:HD2	23	0.75	0.5	0.65
(2,619)	1:29:A:VAL:HG23	1:5:A:ARG:HD3	23	0.75	0.5	0.65
(1,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE1	23	0.75	0.54	0.62
(1,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE2	23	0.75	0.54	0.62
(1,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE2	23	0.75	0.54	0.62
(1,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE1	23	0.75	0.54	0.62
(2,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE1	23	0.75	0.54	0.62
(2,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE2	23	0.75	0.54	0.62
(2,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE2	23	0.75	0.54	0.62
(2,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE1	23	0.75	0.54	0.62
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	23	0.74	0.46	0.55
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	23	0.74	0.46	0.55
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	23	0.74	0.46	0.55
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	23	0.74	0.46	0.55
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	23	0.68	0.17	0.72
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB3	23	0.68	0.17	0.72
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	23	0.68	0.17	0.72
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB3	23	0.68	0.17	0.72
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG22	23	0.64	0.27	0.71
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG23	23	0.64	0.27	0.71
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG21	23	0.64	0.27	0.71
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG22	23	0.64	0.27	0.71
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG23	23	0.64	0.27	0.71
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG21	23	0.64	0.27	0.71
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	23	0.61	0.29	0.59
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	23	0.61	0.29	0.59
(1,577)	1:16:A:ARG:HB2	1:7:A:TYR:HD2	23	0.61	0.29	0.59
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	23	0.61	0.29	0.59
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	23	0.61	0.29	0.59
(2,577)	1:16:A:ARG:HB2	1:7:A:TYR:HD2	23	0.61	0.29	0.59
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	23	0.6	0.17	0.62
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB3	23	0.6	0.17	0.62
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	23	0.6	0.17	0.62
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB3	23	0.6	0.17	0.62
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	23	0.59	0.43	0.47
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD2	23	0.59	0.43	0.47
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	23	0.57	0.19	0.57
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	23	0.57	0.19	0.57
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG13	23	0.57	0.19	0.57
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	23	0.57	0.19	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	23	0.57	0.19	0.57
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG13	23	0.57	0.19	0.57
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	23	0.57	0.26	0.57
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	23	0.57	0.26	0.57
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG21	23	0.54	0.28	0.46
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	23	0.54	0.28	0.46
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	23	0.54	0.28	0.46
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG21	23	0.54	0.28	0.46
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	23	0.54	0.28	0.46
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	23	0.54	0.28	0.46
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	23	0.54	0.12	0.56
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	23	0.54	0.12	0.56
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	23	0.54	0.12	0.56
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	23	0.54	0.12	0.56
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	23	0.52	0.28	0.41
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG3	23	0.52	0.28	0.41
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	23	0.52	0.28	0.41
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG3	23	0.52	0.28	0.41
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG23	23	0.52	0.18	0.55
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG21	23	0.52	0.18	0.55
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG22	23	0.52	0.18	0.55
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG23	23	0.52	0.18	0.55
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG21	23	0.52	0.18	0.55
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG22	23	0.52	0.18	0.55
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	23	0.49	0.24	0.5
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	23	0.49	0.24	0.5
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	23	0.48	0.24	0.4
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB3	23	0.48	0.24	0.4
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	23	0.48	0.24	0.4
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB3	23	0.48	0.24	0.4
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	23	0.48	0.18	0.45
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	23	0.48	0.18	0.45
(1,369)	1:9:A:THR:HG23	1:28:A:LYS:HG3	23	0.48	0.2	0.44
(1,369)	1:9:A:THR:HG22	1:28:A:LYS:HG2	23	0.48	0.2	0.44
(1,369)	1:9:A:THR:HG22	1:28:A:LYS:HG3	23	0.48	0.2	0.44
(1,369)	1:9:A:THR:HG21	1:28:A:LYS:HG3	23	0.48	0.2	0.44
(1,369)	1:9:A:THR:HG21	1:28:A:LYS:HG2	23	0.48	0.2	0.44
(1,369)	1:9:A:THR:HG23	1:28:A:LYS:HG2	23	0.48	0.2	0.44
(2,369)	1:9:A:THR:HG23	1:28:A:LYS:HG3	23	0.48	0.2	0.44
(2,369)	1:9:A:THR:HG22	1:28:A:LYS:HG2	23	0.48	0.2	0.44
(2,369)	1:9:A:THR:HG22	1:28:A:LYS:HG3	23	0.48	0.2	0.44
(2,369)	1:9:A:THR:HG21	1:28:A:LYS:HG3	23	0.48	0.2	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,369)	1:9:A:THR:HG21	1:28:A:LYS:HG2	23	0.48	0.2	0.44
(2,369)	1:9:A:THR:HG23	1:28:A:LYS:HG2	23	0.48	0.2	0.44
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	23	0.46	0.2	0.5
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	23	0.46	0.2	0.5
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	23	0.46	0.09	0.48
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	23	0.46	0.09	0.48
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	23	0.43	0.19	0.4
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	23	0.43	0.19	0.4
(1,546)	1:30:A:ILE:HG23	1:10:A:TYR:HB2	23	0.43	0.14	0.45
(1,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	23	0.43	0.14	0.45
(1,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	23	0.43	0.14	0.45
(2,546)	1:30:A:ILE:HG23	1:10:A:TYR:HB2	23	0.43	0.14	0.45
(2,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	23	0.43	0.14	0.45
(2,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	23	0.43	0.14	0.45
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	23	0.42	0.12	0.45
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	23	0.42	0.12	0.45
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	23	0.41	0.15	0.43
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	23	0.41	0.15	0.43
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	23	0.39	0.17	0.38
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	23	0.39	0.17	0.38
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD12	23	0.39	0.17	0.38
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	23	0.39	0.17	0.38
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	23	0.39	0.17	0.38
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD12	23	0.39	0.17	0.38
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	23	0.38	0.31	0.33
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	23	0.38	0.31	0.33
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	23	0.38	0.31	0.33
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	23	0.38	0.31	0.33
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	23	0.38	0.1	0.4
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	23	0.38	0.1	0.4
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	23	0.38	0.1	0.4
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	23	0.38	0.1	0.4
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	23	0.38	0.2	0.37
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	23	0.38	0.2	0.37
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	23	0.38	0.2	0.37
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	23	0.38	0.2	0.37
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	23	0.37	0.05	0.38
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	23	0.35	0.54	0.19
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	23	0.35	0.54	0.19
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD11	23	0.35	0.54	0.19
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	23	0.35	0.54	0.19
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	23	0.35	0.54	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD11	23	0.35	0.54	0.19
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	23	0.33	0.11	0.31
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	23	0.33	0.11	0.31
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	23	0.32	0.09	0.28
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	23	0.32	0.09	0.28
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	23	0.32	0.13	0.28
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	23	0.32	0.13	0.28
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	23	0.31	0.1	0.34
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	23	0.31	0.1	0.34
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	23	0.31	0.11	0.31
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	23	0.31	0.11	0.31
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	23	0.29	0.07	0.28
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	23	0.29	0.07	0.28
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	23	0.28	0.13	0.26
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	23	0.28	0.13	0.26
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB3	23	0.27	0.11	0.25
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB2	23	0.27	0.11	0.25
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	23	0.25	0.05	0.27
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	23	0.25	0.05	0.27
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	23	0.25	0.07	0.24
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	23	0.25	0.07	0.24
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	23	0.25	0.07	0.24
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	23	0.25	0.07	0.24
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG23	23	0.24	0.09	0.23
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG21	23	0.24	0.09	0.23
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	23	0.24	0.09	0.23
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG23	23	0.24	0.09	0.23
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG21	23	0.24	0.09	0.23
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	23	0.24	0.09	0.23
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	23	0.24	0.09	0.22
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG3	23	0.24	0.09	0.22
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	23	0.24	0.09	0.22
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG3	23	0.24	0.09	0.22
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	23	0.23	0.03	0.23
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	23	0.23	0.03	0.23
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG2	23	0.22	0.1	0.18
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	23	0.22	0.1	0.18
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG2	23	0.22	0.1	0.18
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	23	0.22	0.1	0.18
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	23	0.21	0.04	0.21
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	23	0.21	0.04	0.21
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	23	0.21	0.04	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	23	0.21	0.04	0.21
(3,3)	1:43:A:PHE:HB2	1:43:A:PHE:HD2	23	0.19	0.04	0.2
(3,3)	1:43:A:PHE:HB3	1:43:A:PHE:HD1	23	0.19	0.04	0.2
(3,3)	1:43:A:PHE:HB3	1:43:A:PHE:HD2	23	0.19	0.04	0.2
(3,3)	1:43:A:PHE:HB2	1:43:A:PHE:HD1	23	0.19	0.04	0.2
(3,10)	1:36:A:ILE:HG23	1:36:A:ILE:HG13	23	0.19	0.04	0.19
(3,10)	1:36:A:ILE:HG23	1:36:A:ILE:HG12	23	0.19	0.04	0.19
(3,10)	1:36:A:ILE:HG21	1:36:A:ILE:HG12	23	0.19	0.04	0.19
(3,10)	1:36:A:ILE:HG22	1:36:A:ILE:HG12	23	0.19	0.04	0.19
(3,10)	1:36:A:ILE:HG22	1:36:A:ILE:HG13	23	0.19	0.04	0.19
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB2	23	0.17	0.03	0.17
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	23	0.17	0.03	0.17
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB2	23	0.17	0.03	0.17
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	23	0.17	0.03	0.17
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	23	0.16	0.04	0.15
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	23	0.16	0.04	0.15
(1,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	23	0.15	0.03	0.13
(1,218)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	23	0.15	0.03	0.13
(1,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	23	0.15	0.03	0.13
(1,218)	1:15:A:ILE:HG23	1:15:A:ILE:HG12	23	0.15	0.03	0.13
(1,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG12	23	0.15	0.03	0.13
(2,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	23	0.15	0.03	0.13
(2,218)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	23	0.15	0.03	0.13
(2,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	23	0.15	0.03	0.13
(2,218)	1:15:A:ILE:HG23	1:15:A:ILE:HG12	23	0.15	0.03	0.13
(2,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG12	23	0.15	0.03	0.13
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG21	23	0.14	0.01	0.15
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG22	23	0.14	0.01	0.15
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG23	23	0.14	0.01	0.15
(1,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	23	0.14	0.02	0.14
(1,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	23	0.14	0.02	0.14
(1,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD2	23	0.14	0.02	0.14
(1,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD3	23	0.14	0.02	0.14
(2,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	23	0.14	0.02	0.14
(2,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	23	0.14	0.02	0.14
(2,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD2	23	0.14	0.02	0.14
(2,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD3	23	0.14	0.02	0.14
(3,90)	1:36:A:ILE:HD13	1:43:A:PHE:HB2	22	6.45	5.97	7.87
(3,90)	1:36:A:ILE:HD11	1:43:A:PHE:HB2	22	6.45	5.97	7.87
(3,90)	1:36:A:ILE:HD12	1:43:A:PHE:HB2	22	6.45	5.97	7.87
(3,90)	1:36:A:ILE:HD12	1:43:A:PHE:HB3	22	6.45	5.97	7.87
(3,61)	1:25:A:LYS:HG3	1:43:A:PHE:HE2	22	4.56	3.46	5.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,61)	1:25:A:LYS:HG2	1:43:A:PHE:HE2	22	4.56	3.46	5.68
(3,61)	1:25:A:LYS:HG3	1:43:A:PHE:HE1	22	4.56	3.46	5.68
(3,61)	1:25:A:LYS:HG2	1:43:A:PHE:HE1	22	4.56	3.46	5.68
(3,67)	1:25:A:LYS:HB3	1:43:A:PHE:HE2	22	4.56	3.64	6.68
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE2	22	4.56	3.64	6.68
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE1	22	4.56	3.64	6.68
(3,67)	1:25:A:LYS:HB3	1:43:A:PHE:HE1	22	4.56	3.64	6.68
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE2	22	4.44	3.55	5.22
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE1	22	4.44	3.55	5.22
(3,40)	1:25:A:LYS:HD2	1:43:A:PHE:HE1	22	4.44	3.55	5.22
(3,40)	1:25:A:LYS:HD2	1:43:A:PHE:HE2	22	4.44	3.55	5.22
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	22	1.36	0.4	1.38
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	22	1.36	0.4	1.38
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	22	1.36	0.4	1.38
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	22	1.36	0.4	1.38
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	22	1.15	0.27	1.23
(1,467)	1:23:A:CYS:HB2	1:26:A:CYS:HB2	22	1.15	0.27	1.23
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	22	1.15	0.27	1.23
(2,467)	1:23:A:CYS:HB2	1:26:A:CYS:HB2	22	1.15	0.27	1.23
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	22	0.89	0.44	0.87
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	22	0.89	0.44	0.87
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	22	0.87	0.54	0.95
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB3	22	0.87	0.54	0.95
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB1	22	0.87	0.54	0.95
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	22	0.87	0.54	0.95
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB3	22	0.87	0.54	0.95
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB1	22	0.87	0.54	0.95
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG3	22	0.84	0.62	0.6
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG2	22	0.84	0.62	0.6
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG3	22	0.84	0.62	0.6
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG2	22	0.84	0.62	0.6
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG21	22	0.79	0.56	0.72
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG22	22	0.79	0.56	0.72
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG23	22	0.79	0.56	0.72
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	22	0.75	0.48	0.51
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	22	0.75	0.48	0.51
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	22	0.75	0.48	0.51
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	22	0.75	0.48	0.51
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	22	0.75	0.43	0.69
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB2	22	0.75	0.43	0.69
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	22	0.75	0.43	0.69
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB2	22	0.75	0.43	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	22	0.74	0.42	0.52
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	22	0.74	0.42	0.52
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	22	0.74	0.42	0.52
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	22	0.74	0.42	0.52
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	22	0.72	0.46	0.61
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB2	22	0.72	0.46	0.61
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	22	0.72	0.46	0.61
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB2	22	0.72	0.46	0.61
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	22	0.64	0.05	0.64
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	22	0.64	0.05	0.64
(1,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE1	22	0.63	0.46	0.56
(1,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE2	22	0.63	0.46	0.56
(1,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE1	22	0.63	0.46	0.56
(1,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE2	22	0.63	0.46	0.56
(2,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE1	22	0.63	0.46	0.56
(2,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE2	22	0.63	0.46	0.56
(2,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE1	22	0.63	0.46	0.56
(2,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE2	22	0.63	0.46	0.56
(1,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	22	0.48	0.34	0.36
(1,315)	1:15:A:ILE:HG23	1:11:A:CYS:HB3	22	0.48	0.34	0.36
(1,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	22	0.48	0.34	0.36
(2,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	22	0.48	0.34	0.36
(2,315)	1:15:A:ILE:HG23	1:11:A:CYS:HB3	22	0.48	0.34	0.36
(2,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	22	0.48	0.34	0.36
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB2	22	0.46	0.21	0.45
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	22	0.46	0.21	0.45
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB2	22	0.46	0.21	0.45
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	22	0.46	0.21	0.45
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	22	0.45	0.2	0.44
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	22	0.45	0.2	0.44
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	22	0.45	0.2	0.44
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	22	0.45	0.2	0.44
(1,261)	1:30:A:ILE:HG21	1:39:A:CYS:HB2	22	0.45	0.23	0.48
(1,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB2	22	0.45	0.23	0.48
(1,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB3	22	0.45	0.23	0.48
(1,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB2	22	0.45	0.23	0.48
(1,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB3	22	0.45	0.23	0.48
(1,261)	1:30:A:ILE:HG21	1:39:A:CYS:HB3	22	0.45	0.23	0.48
(2,261)	1:30:A:ILE:HG21	1:39:A:CYS:HB2	22	0.45	0.23	0.48
(2,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB2	22	0.45	0.23	0.48
(2,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB3	22	0.45	0.23	0.48
(2,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB2	22	0.45	0.23	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB3	22	0.45	0.23	0.48
(2,261)	1:30:A:ILE:HG21	1:39:A:CYS:HB3	22	0.45	0.23	0.48
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	22	0.42	0.22	0.36
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	22	0.42	0.22	0.36
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	22	0.42	0.22	0.36
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	22	0.42	0.22	0.36
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD2	22	0.41	0.24	0.35
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD1	22	0.41	0.24	0.35
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD2	22	0.41	0.24	0.35
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD1	22	0.41	0.24	0.35
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	22	0.38	0.23	0.34
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	22	0.38	0.23	0.34
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	22	0.38	0.23	0.34
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	22	0.38	0.23	0.34
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	22	0.37	0.22	0.3
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	22	0.37	0.22	0.3
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	22	0.36	0.14	0.3
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	22	0.36	0.14	0.3
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	22	0.36	0.1	0.39
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB1	22	0.36	0.17	0.32
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	22	0.36	0.17	0.32
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB2	22	0.36	0.17	0.32
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB1	22	0.36	0.17	0.32
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	22	0.36	0.17	0.32
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB2	22	0.36	0.17	0.32
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	22	0.35	0.15	0.35
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB3	22	0.35	0.15	0.35
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	22	0.35	0.15	0.35
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB3	22	0.35	0.15	0.35
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	22	0.35	0.26	0.27
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	22	0.35	0.26	0.27
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	22	0.35	0.26	0.27
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	22	0.35	0.26	0.27
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	22	0.35	0.14	0.36
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	22	0.35	0.14	0.36
(1,472)	1:23:A:CYS:HB3	1:28:A:LYS:HB3	22	0.35	0.12	0.32
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	22	0.35	0.12	0.32
(2,472)	1:23:A:CYS:HB3	1:28:A:LYS:HB3	22	0.35	0.12	0.32
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	22	0.35	0.12	0.32
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	22	0.32	0.07	0.32
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	22	0.32	0.07	0.32
(1,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	22	0.31	0.11	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,361)	1:29:A:VAL:HG12	1:22:A:SER:HB3	22	0.31	0.11	0.3
(1,361)	1:29:A:VAL:HG12	1:22:A:SER:HB2	22	0.31	0.11	0.3
(1,361)	1:29:A:VAL:HG11	1:22:A:SER:HB2	22	0.31	0.11	0.3
(1,361)	1:29:A:VAL:HG13	1:22:A:SER:HB3	22	0.31	0.11	0.3
(2,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	22	0.31	0.11	0.3
(2,361)	1:29:A:VAL:HG12	1:22:A:SER:HB3	22	0.31	0.11	0.3
(2,361)	1:29:A:VAL:HG12	1:22:A:SER:HB2	22	0.31	0.11	0.3
(2,361)	1:29:A:VAL:HG11	1:22:A:SER:HB2	22	0.31	0.11	0.3
(2,361)	1:29:A:VAL:HG13	1:22:A:SER:HB3	22	0.31	0.11	0.3
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	22	0.31	0.08	0.32
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	22	0.31	0.08	0.32
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	22	0.31	0.08	0.32
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	22	0.31	0.08	0.32
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	22	0.3	0.11	0.32
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	22	0.3	0.11	0.32
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	22	0.28	0.12	0.28
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	22	0.28	0.12	0.28
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	22	0.28	0.12	0.28
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	22	0.28	0.12	0.28
(1,529)	1:30:A:ILE:HG21	1:30:A:ILE:HD13	22	0.27	0.08	0.29
(1,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD13	22	0.27	0.08	0.29
(1,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD12	22	0.27	0.08	0.29
(1,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD11	22	0.27	0.08	0.29
(1,529)	1:30:A:ILE:HG21	1:30:A:ILE:HD11	22	0.27	0.08	0.29
(1,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD12	22	0.27	0.08	0.29
(1,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD11	22	0.27	0.08	0.29
(2,529)	1:30:A:ILE:HG21	1:30:A:ILE:HD13	22	0.27	0.08	0.29
(2,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD13	22	0.27	0.08	0.29
(2,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD12	22	0.27	0.08	0.29
(2,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD11	22	0.27	0.08	0.29
(2,529)	1:30:A:ILE:HG21	1:30:A:ILE:HD11	22	0.27	0.08	0.29
(2,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD12	22	0.27	0.08	0.29
(2,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD11	22	0.27	0.08	0.29
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	22	0.26	0.1	0.23
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	22	0.26	0.1	0.23
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	22	0.25	0.1	0.32
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	22	0.25	0.1	0.32
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	22	0.25	0.18	0.22
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	22	0.25	0.18	0.22
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	22	0.24	0.09	0.24
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	22	0.24	0.09	0.24
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	22	0.23	0.08	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	22	0.23	0.08	0.22
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB2	22	0.21	0.16	0.11
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB3	22	0.21	0.16	0.11
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB2	22	0.21	0.16	0.11
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB3	22	0.21	0.16	0.11
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	22	0.21	0.05	0.22
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	22	0.21	0.05	0.22
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	22	0.2	0.03	0.2
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	22	0.2	0.03	0.2
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	22	0.2	0.07	0.18
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	22	0.2	0.07	0.18
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	22	0.2	0.15	0.16
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG2	22	0.2	0.15	0.16
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	22	0.2	0.15	0.16
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG2	22	0.2	0.15	0.16
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	22	0.18	0.04	0.17
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	22	0.18	0.04	0.17
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	22	0.17	0.03	0.18
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	22	0.17	0.03	0.18
(1,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	22	0.15	0.01	0.15
(1,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	22	0.15	0.01	0.15
(2,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	22	0.15	0.01	0.15
(2,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	22	0.15	0.01	0.15
(1,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD2	22	0.13	0.01	0.14
(1,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD3	22	0.13	0.01	0.14
(1,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	22	0.13	0.01	0.14
(1,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD2	22	0.13	0.01	0.14
(2,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD2	22	0.13	0.01	0.14
(2,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD3	22	0.13	0.01	0.14
(2,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	22	0.13	0.01	0.14
(2,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD2	22	0.13	0.01	0.14
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	21	1.38	0.67	1.59
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	21	1.38	0.67	1.59
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	21	1.38	0.67	1.59
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	21	1.38	0.67	1.59
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB3	21	1.02	0.62	1.09
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	21	1.02	0.62	1.09
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	21	0.85	0.47	0.63
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	21	0.85	0.47	0.63
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	21	0.85	0.47	0.63
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	21	0.85	0.47	0.63
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD12	21	0.83	0.52	0.77

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	21	0.83	0.52	0.77
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD13	21	0.83	0.52	0.77
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD12	21	0.83	0.52	0.77
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	21	0.83	0.52	0.77
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD13	21	0.83	0.52	0.77
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	21	0.77	0.54	0.51
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	21	0.77	0.54	0.51
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	21	0.77	0.54	0.51
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	21	0.77	0.54	0.51
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	21	0.76	0.33	0.92
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB2	21	0.76	0.33	0.92
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	21	0.76	0.33	0.92
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB2	21	0.76	0.33	0.92
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD11	21	0.74	0.54	0.62
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD12	21	0.74	0.54	0.62
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD13	21	0.74	0.54	0.62
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG3	21	0.73	0.34	0.94
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG2	21	0.73	0.34	0.94
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB3	21	0.71	0.31	0.82
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB2	21	0.71	0.31	0.82
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB3	21	0.71	0.31	0.82
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB2	21	0.71	0.31	0.82
(1,403)	1:9:A:THR:HG23	1:28:A:LYS:HE2	21	0.69	0.44	0.6
(1,403)	1:9:A:THR:HG22	1:28:A:LYS:HE3	21	0.69	0.44	0.6
(1,403)	1:9:A:THR:HG22	1:28:A:LYS:HE2	21	0.69	0.44	0.6
(1,403)	1:9:A:THR:HG21	1:28:A:LYS:HE2	21	0.69	0.44	0.6
(1,403)	1:9:A:THR:HG21	1:28:A:LYS:HE3	21	0.69	0.44	0.6
(2,403)	1:9:A:THR:HG23	1:28:A:LYS:HE2	21	0.69	0.44	0.6
(2,403)	1:9:A:THR:HG22	1:28:A:LYS:HE3	21	0.69	0.44	0.6
(2,403)	1:9:A:THR:HG22	1:28:A:LYS:HE2	21	0.69	0.44	0.6
(2,403)	1:9:A:THR:HG21	1:28:A:LYS:HE2	21	0.69	0.44	0.6
(2,403)	1:9:A:THR:HG21	1:28:A:LYS:HE3	21	0.69	0.44	0.6
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	21	0.68	0.43	0.53
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD22	21	0.68	0.43	0.53
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	21	0.68	0.43	0.53
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD22	21	0.68	0.43	0.53
(1,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	21	0.68	0.51	0.46
(1,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD21	21	0.68	0.51	0.46
(1,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD22	21	0.68	0.51	0.46
(2,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	21	0.68	0.51	0.46
(2,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD21	21	0.68	0.51	0.46
(2,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD22	21	0.68	0.51	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	21	0.62	0.32	0.55
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	21	0.62	0.32	0.55
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	21	0.61	0.66	0.31
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	21	0.61	0.66	0.31
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	21	0.58	0.32	0.64
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	21	0.58	0.32	0.64
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	21	0.58	0.32	0.64
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	21	0.58	0.32	0.64
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD12	21	0.49	0.38	0.31
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD11	21	0.49	0.38	0.31
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD13	21	0.49	0.38	0.31
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD12	21	0.49	0.38	0.31
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD11	21	0.49	0.38	0.31
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD13	21	0.49	0.38	0.31
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	21	0.47	0.14	0.48
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	21	0.45	0.2	0.44
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG3	21	0.45	0.2	0.44
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	21	0.45	0.2	0.44
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG3	21	0.45	0.2	0.44
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	21	0.45	0.18	0.44
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	21	0.45	0.18	0.44
(1,404)	1:9:A:THR:HG23	1:28:A:LYS:HB3	21	0.42	0.17	0.42
(1,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	21	0.42	0.17	0.42
(1,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	21	0.42	0.17	0.42
(2,404)	1:9:A:THR:HG23	1:28:A:LYS:HB3	21	0.42	0.17	0.42
(2,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	21	0.42	0.17	0.42
(2,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	21	0.42	0.17	0.42
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	21	0.4	0.32	0.33
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	21	0.4	0.32	0.33
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB2	21	0.38	0.22	0.36
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB3	21	0.38	0.22	0.36
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	21	0.38	0.14	0.36
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	21	0.38	0.14	0.36
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB3	21	0.37	0.32	0.23
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB2	21	0.37	0.32	0.23
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB3	21	0.37	0.32	0.23
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB2	21	0.37	0.32	0.23
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	21	0.34	0.07	0.34
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	21	0.34	0.07	0.34
(1,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD1	21	0.34	0.13	0.35
(1,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	21	0.34	0.13	0.35
(1,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD1	21	0.34	0.13	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD2	21	0.34	0.13	0.35
(2,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD1	21	0.34	0.13	0.35
(2,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	21	0.34	0.13	0.35
(2,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD1	21	0.34	0.13	0.35
(2,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD2	21	0.34	0.13	0.35
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	21	0.34	0.13	0.39
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	21	0.34	0.13	0.39
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	21	0.33	0.1	0.33
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	21	0.33	0.1	0.33
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	21	0.33	0.1	0.33
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	21	0.33	0.1	0.33
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	21	0.32	0.14	0.31
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	21	0.32	0.14	0.31
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	21	0.3	0.14	0.27
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	21	0.3	0.14	0.27
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	21	0.27	0.07	0.27
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	21	0.27	0.07	0.27
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	21	0.26	0.09	0.27
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD3	21	0.26	0.09	0.27
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	21	0.26	0.09	0.27
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD3	21	0.26	0.09	0.27
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB2	21	0.23	0.09	0.21
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	21	0.23	0.09	0.21
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB1	21	0.23	0.09	0.21
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB2	21	0.23	0.09	0.21
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	21	0.23	0.09	0.21
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB1	21	0.23	0.09	0.21
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	21	0.23	0.05	0.23
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	21	0.23	0.05	0.23
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	21	0.22	0.08	0.21
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	21	0.22	0.08	0.21
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	21	0.22	0.08	0.21
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	21	0.22	0.08	0.21
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	21	0.22	0.1	0.18
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	21	0.22	0.1	0.18
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	21	0.21	0.07	0.22
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	21	0.21	0.07	0.22
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	21	0.16	0.03	0.16
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	21	0.16	0.03	0.16
(1,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE2	21	0.15	0.04	0.13
(1,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	21	0.15	0.04	0.13
(1,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	21	0.15	0.04	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	21	0.15	0.04	0.13
(2,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE2	21	0.15	0.04	0.13
(2,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	21	0.15	0.04	0.13
(2,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	21	0.15	0.04	0.13
(2,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	21	0.15	0.04	0.13
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	21	0.14	0.02	0.14
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	21	0.14	0.02	0.14
(1,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	20	1.37	0.64	1.58
(1,316)	1:15:A:ILE:HG23	1:17:A:ARG:HG3	20	1.37	0.64	1.58
(1,316)	1:15:A:ILE:HG23	1:17:A:ARG:HG2	20	1.37	0.64	1.58
(1,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG3	20	1.37	0.64	1.58
(1,316)	1:15:A:ILE:HG22	1:17:A:ARG:HG2	20	1.37	0.64	1.58
(1,316)	1:15:A:ILE:HG22	1:17:A:ARG:HG3	20	1.37	0.64	1.58
(2,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	20	1.37	0.64	1.58
(2,316)	1:15:A:ILE:HG23	1:17:A:ARG:HG3	20	1.37	0.64	1.58
(2,316)	1:15:A:ILE:HG23	1:17:A:ARG:HG2	20	1.37	0.64	1.58
(2,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG3	20	1.37	0.64	1.58
(2,316)	1:15:A:ILE:HG22	1:17:A:ARG:HG2	20	1.37	0.64	1.58
(2,316)	1:15:A:ILE:HG22	1:17:A:ARG:HG3	20	1.37	0.64	1.58
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	20	0.92	0.56	0.94
(1,632)	1:29:A:VAL:HG12	1:5:A:ARG:HG3	20	0.79	0.56	0.62
(1,632)	1:29:A:VAL:HG13	1:5:A:ARG:HG2	20	0.79	0.56	0.62
(1,632)	1:29:A:VAL:HG23	1:5:A:ARG:HG2	20	0.79	0.56	0.62
(1,632)	1:29:A:VAL:HG23	1:5:A:ARG:HG3	20	0.79	0.56	0.62
(1,632)	1:29:A:VAL:HG13	1:5:A:ARG:HG3	20	0.79	0.56	0.62
(1,632)	1:29:A:VAL:HG21	1:5:A:ARG:HG2	20	0.79	0.56	0.62
(1,632)	1:29:A:VAL:HG22	1:5:A:ARG:HG2	20	0.79	0.56	0.62
(1,632)	1:29:A:VAL:HG12	1:5:A:ARG:HG2	20	0.79	0.56	0.62
(1,632)	1:29:A:VAL:HG11	1:5:A:ARG:HG2	20	0.79	0.56	0.62
(1,632)	1:29:A:VAL:HG11	1:5:A:ARG:HG3	20	0.79	0.56	0.62
(1,632)	1:29:A:VAL:HG22	1:5:A:ARG:HG3	20	0.79	0.56	0.62
(2,632)	1:29:A:VAL:HG12	1:5:A:ARG:HG3	20	0.79	0.56	0.62
(2,632)	1:29:A:VAL:HG13	1:5:A:ARG:HG2	20	0.79	0.56	0.62
(2,632)	1:29:A:VAL:HG23	1:5:A:ARG:HG2	20	0.79	0.56	0.62
(2,632)	1:29:A:VAL:HG23	1:5:A:ARG:HG3	20	0.79	0.56	0.62
(2,632)	1:29:A:VAL:HG13	1:5:A:ARG:HG3	20	0.79	0.56	0.62
(2,632)	1:29:A:VAL:HG21	1:5:A:ARG:HG2	20	0.79	0.56	0.62
(2,632)	1:29:A:VAL:HG22	1:5:A:ARG:HG2	20	0.79	0.56	0.62
(2,632)	1:29:A:VAL:HG12	1:5:A:ARG:HG2	20	0.79	0.56	0.62
(2,632)	1:29:A:VAL:HG11	1:5:A:ARG:HG2	20	0.79	0.56	0.62
(2,632)	1:29:A:VAL:HG11	1:5:A:ARG:HG3	20	0.79	0.56	0.62
(2,632)	1:29:A:VAL:HG22	1:5:A:ARG:HG3	20	0.79	0.56	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG21	20	0.67	0.6	0.25
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG23	20	0.67	0.6	0.25
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG22	20	0.67	0.6	0.25
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB2	20	0.67	0.25	0.72
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	20	0.67	0.25	0.72
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB3	20	0.67	0.25	0.72
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB2	20	0.67	0.25	0.72
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	20	0.67	0.25	0.72
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB3	20	0.67	0.25	0.72
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	20	0.51	0.34	0.32
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	20	0.47	0.15	0.48
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	20	0.47	0.15	0.48
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	20	0.47	0.15	0.48
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	20	0.47	0.15	0.48
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	20	0.44	0.4	0.29
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG3	20	0.44	0.4	0.29
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	20	0.44	0.4	0.29
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG3	20	0.44	0.4	0.29
(1,591)	1:18:A:LYS:HG2	1:7:A:TYR:HE1	20	0.44	0.24	0.4
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	20	0.44	0.24	0.4
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE1	20	0.44	0.24	0.4
(1,591)	1:18:A:LYS:HG2	1:7:A:TYR:HE2	20	0.44	0.24	0.4
(2,591)	1:18:A:LYS:HG2	1:7:A:TYR:HE1	20	0.44	0.24	0.4
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	20	0.44	0.24	0.4
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE1	20	0.44	0.24	0.4
(2,591)	1:18:A:LYS:HG2	1:7:A:TYR:HE2	20	0.44	0.24	0.4
(1,628)	1:9:A:THR:HG23	1:28:A:LYS:HD3	20	0.42	0.32	0.42
(1,628)	1:9:A:THR:HG21	1:28:A:LYS:HD2	20	0.42	0.32	0.42
(1,628)	1:9:A:THR:HG21	1:28:A:LYS:HD3	20	0.42	0.32	0.42
(1,628)	1:9:A:THR:HG22	1:28:A:LYS:HD3	20	0.42	0.32	0.42
(1,628)	1:9:A:THR:HG22	1:28:A:LYS:HD2	20	0.42	0.32	0.42
(2,628)	1:9:A:THR:HG23	1:28:A:LYS:HD3	20	0.42	0.32	0.42
(2,628)	1:9:A:THR:HG21	1:28:A:LYS:HD2	20	0.42	0.32	0.42
(2,628)	1:9:A:THR:HG21	1:28:A:LYS:HD3	20	0.42	0.32	0.42
(2,628)	1:9:A:THR:HG22	1:28:A:LYS:HD3	20	0.42	0.32	0.42
(2,628)	1:9:A:THR:HG22	1:28:A:LYS:HD2	20	0.42	0.32	0.42
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	20	0.41	0.21	0.4
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	20	0.41	0.21	0.4
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD13	20	0.41	0.21	0.4
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	20	0.41	0.21	0.4
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	20	0.41	0.21	0.4
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD13	20	0.41	0.21	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	20	0.4	0.27	0.34
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB3	20	0.4	0.27	0.34
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB2	20	0.4	0.27	0.34
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	20	0.4	0.27	0.34
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB3	20	0.4	0.27	0.34
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB2	20	0.4	0.27	0.34
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	20	0.37	0.21	0.32
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	20	0.37	0.21	0.32
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	20	0.37	0.21	0.32
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	20	0.37	0.21	0.32
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	20	0.33	0.18	0.34
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	20	0.33	0.18	0.34
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	20	0.32	0.12	0.31
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	20	0.32	0.12	0.31
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	20	0.32	0.22	0.24
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	20	0.32	0.22	0.24
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG22	20	0.31	0.12	0.29
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	20	0.31	0.12	0.29
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG21	20	0.31	0.12	0.29
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG22	20	0.31	0.12	0.29
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	20	0.31	0.12	0.29
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG21	20	0.31	0.12	0.29
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	20	0.3	0.06	0.3
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	20	0.3	0.06	0.3
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	20	0.27	0.09	0.24
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	20	0.27	0.09	0.24
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	20	0.25	0.11	0.26
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	20	0.25	0.11	0.26
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	20	0.24	0.1	0.24
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB3	20	0.24	0.1	0.24
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	20	0.24	0.1	0.24
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB3	20	0.24	0.1	0.24
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	20	0.23	0.1	0.22
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	20	0.23	0.1	0.22
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	20	0.23	0.1	0.22
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	20	0.23	0.1	0.22
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	20	0.22	0.09	0.22
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	20	0.22	0.09	0.22
(1,69)	1:30:A:ILE:HD13	1:23:A:CYS:HB2	20	0.21	0.07	0.2
(1,69)	1:30:A:ILE:HD12	1:23:A:CYS:HB2	20	0.21	0.07	0.2
(1,69)	1:30:A:ILE:HD11	1:23:A:CYS:HB2	20	0.21	0.07	0.2
(2,69)	1:30:A:ILE:HD13	1:23:A:CYS:HB2	20	0.21	0.07	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,69)	1:30:A:ILE:HD12	1:23:A:CYS:HB2	20	0.21	0.07	0.2
(2,69)	1:30:A:ILE:HD11	1:23:A:CYS:HB2	20	0.21	0.07	0.2
(1,636)	1:24:A:LYS:HB3	1:24:A:LYS:HD2	20	0.2	0.11	0.17
(1,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	20	0.2	0.11	0.17
(1,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD2	20	0.2	0.11	0.17
(1,636)	1:24:A:LYS:HB3	1:24:A:LYS:HD3	20	0.2	0.11	0.17
(2,636)	1:24:A:LYS:HB3	1:24:A:LYS:HD2	20	0.2	0.11	0.17
(2,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	20	0.2	0.11	0.17
(2,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD2	20	0.2	0.11	0.17
(2,636)	1:24:A:LYS:HB3	1:24:A:LYS:HD3	20	0.2	0.11	0.17
(1,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	20	0.19	0.06	0.2
(1,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	20	0.19	0.06	0.2
(1,107)	1:32:A:ARG:HB2	1:32:A:ARG:HD2	20	0.19	0.06	0.2
(2,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	20	0.19	0.06	0.2
(2,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	20	0.19	0.06	0.2
(2,107)	1:32:A:ARG:HB2	1:32:A:ARG:HD2	20	0.19	0.06	0.2
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	20	0.18	0.05	0.16
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	20	0.18	0.05	0.16
(1,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD2	20	0.16	0.03	0.15
(1,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	20	0.16	0.03	0.15
(1,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD3	20	0.16	0.03	0.15
(1,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD3	20	0.16	0.03	0.15
(2,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD2	20	0.16	0.03	0.15
(2,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	20	0.16	0.03	0.15
(2,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD3	20	0.16	0.03	0.15
(2,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD3	20	0.16	0.03	0.15
(1,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG3	20	0.14	0.02	0.14
(1,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	20	0.14	0.02	0.14
(1,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG2	20	0.14	0.02	0.14
(1,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG2	20	0.14	0.02	0.14
(2,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG3	20	0.14	0.02	0.14
(2,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	20	0.14	0.02	0.14
(2,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG2	20	0.14	0.02	0.14
(2,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG2	20	0.14	0.02	0.14
(1,94)	1:38:A:MET:HB3	1:38:A:MET:HG2	20	0.13	0.01	0.13
(1,94)	1:38:A:MET:HB2	1:38:A:MET:HG2	20	0.13	0.01	0.13
(1,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	20	0.13	0.01	0.13
(1,94)	1:38:A:MET:HB3	1:38:A:MET:HG3	20	0.13	0.01	0.13
(2,94)	1:38:A:MET:HB3	1:38:A:MET:HG2	20	0.13	0.01	0.13
(2,94)	1:38:A:MET:HB2	1:38:A:MET:HG2	20	0.13	0.01	0.13
(2,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	20	0.13	0.01	0.13
(2,94)	1:38:A:MET:HB3	1:38:A:MET:HG3	20	0.13	0.01	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD2	19	1.12	0.46	1.34
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	19	1.12	0.46	1.34
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD2	19	1.12	0.46	1.34
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	19	1.12	0.46	1.34
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	19	0.82	0.57	0.7
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG12	19	0.82	0.57	0.7
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	19	0.82	0.57	0.7
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG12	19	0.82	0.57	0.7
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	19	0.79	0.34	0.73
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	19	0.54	0.56	0.39
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB3	19	0.54	0.56	0.39
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	19	0.54	0.56	0.39
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB3	19	0.54	0.56	0.39
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	19	0.5	0.25	0.52
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG21	19	0.5	0.25	0.52
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG22	19	0.5	0.25	0.52
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	19	0.5	0.25	0.52
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG21	19	0.5	0.25	0.52
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG22	19	0.5	0.25	0.52
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	19	0.45	0.19	0.59
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	19	0.45	0.19	0.59
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	19	0.44	0.2	0.45
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG13	19	0.44	0.2	0.45
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	19	0.44	0.2	0.45
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG13	19	0.44	0.2	0.45
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	19	0.4	0.29	0.32
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG2	19	0.4	0.29	0.32
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	19	0.4	0.29	0.32
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG2	19	0.4	0.29	0.32
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB2	19	0.37	0.17	0.3
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB3	19	0.37	0.17	0.3
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	19	0.37	0.17	0.3
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB2	19	0.37	0.17	0.3
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB3	19	0.37	0.17	0.3
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	19	0.37	0.17	0.3
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	19	0.34	0.18	0.31
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	19	0.34	0.18	0.31
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	19	0.32	0.14	0.32
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	19	0.32	0.14	0.32
(1,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	19	0.31	0.13	0.29
(1,79)	1:18:A:LYS:HD3	1:7:A:TYR:HE1	19	0.31	0.13	0.29
(1,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE1	19	0.31	0.13	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,79)	1:18:A:LYS:HD3	1:7:A:TYR:HE2	19	0.31	0.13	0.29
(2,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	19	0.31	0.13	0.29
(2,79)	1:18:A:LYS:HD3	1:7:A:TYR:HE1	19	0.31	0.13	0.29
(2,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE1	19	0.31	0.13	0.29
(2,79)	1:18:A:LYS:HD3	1:7:A:TYR:HE2	19	0.31	0.13	0.29
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB2	19	0.31	0.1	0.29
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB3	19	0.31	0.1	0.29
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	19	0.3	0.12	0.31
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB3	19	0.3	0.12	0.31
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	19	0.3	0.12	0.31
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB3	19	0.3	0.12	0.31
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG2	19	0.29	0.18	0.24
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG3	19	0.29	0.18	0.24
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG2	19	0.29	0.18	0.24
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG3	19	0.29	0.18	0.24
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	19	0.29	0.08	0.31
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	19	0.29	0.08	0.31
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	19	0.29	0.13	0.28
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	19	0.29	0.13	0.28
(1,356)	1:19:A:ALA:HB2	1:8:A:CYS:HB2	19	0.25	0.1	0.25
(1,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	19	0.25	0.1	0.25
(1,356)	1:19:A:ALA:HB1	1:8:A:CYS:HB2	19	0.25	0.1	0.25
(2,356)	1:19:A:ALA:HB2	1:8:A:CYS:HB2	19	0.25	0.1	0.25
(2,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	19	0.25	0.1	0.25
(2,356)	1:19:A:ALA:HB1	1:8:A:CYS:HB2	19	0.25	0.1	0.25
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	19	0.25	0.12	0.21
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	19	0.25	0.12	0.21
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	19	0.2	0.15	0.15
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	19	0.2	0.15	0.15
(1,400)	1:16:A:ARG:HB2	1:16:A:ARG:HD3	19	0.2	0.13	0.16
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	19	0.2	0.13	0.16
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD3	19	0.2	0.13	0.16
(1,400)	1:16:A:ARG:HB2	1:16:A:ARG:HD2	19	0.2	0.13	0.16
(2,400)	1:16:A:ARG:HB2	1:16:A:ARG:HD3	19	0.2	0.13	0.16
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	19	0.2	0.13	0.16
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD3	19	0.2	0.13	0.16
(2,400)	1:16:A:ARG:HB2	1:16:A:ARG:HD2	19	0.2	0.13	0.16
(3,75)	1:25:A:LYS:HG2	1:25:A:LYS:HE2	19	0.18	0.05	0.17
(3,75)	1:25:A:LYS:HG2	1:25:A:LYS:HE3	19	0.18	0.05	0.17
(3,75)	1:25:A:LYS:HG3	1:25:A:LYS:HE3	19	0.18	0.05	0.17
(3,75)	1:25:A:LYS:HG3	1:25:A:LYS:HE2	19	0.18	0.05	0.17
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	18	0.72	0.41	0.89

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB3	18	0.72	0.41	0.89
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	18	0.72	0.41	0.89
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB3	18	0.72	0.41	0.89
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	18	0.71	0.38	0.78
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	18	0.71	0.38	0.78
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	18	0.56	0.37	0.55
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	18	0.56	0.37	0.55
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	18	0.56	0.37	0.55
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	18	0.56	0.37	0.55
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	18	0.5	0.28	0.5
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	18	0.5	0.28	0.5
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	18	0.48	0.35	0.32
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD2	18	0.48	0.35	0.32
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	18	0.48	0.35	0.32
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD2	18	0.48	0.35	0.32
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	18	0.43	0.22	0.37
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE2	18	0.43	0.22	0.37
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	18	0.43	0.22	0.37
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE2	18	0.43	0.22	0.37
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	18	0.4	0.16	0.4
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG21	18	0.4	0.16	0.4
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG22	18	0.4	0.16	0.4
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	18	0.4	0.16	0.4
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG21	18	0.4	0.16	0.4
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG22	18	0.4	0.16	0.4
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	18	0.38	0.26	0.32
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB2	18	0.38	0.26	0.32
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	18	0.38	0.26	0.32
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB2	18	0.38	0.26	0.32
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	18	0.34	0.17	0.44
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB3	18	0.34	0.17	0.44
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	18	0.34	0.17	0.44
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB3	18	0.34	0.17	0.44
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD2	18	0.34	0.17	0.34
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	18	0.34	0.17	0.34
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD2	18	0.34	0.17	0.34
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	18	0.34	0.17	0.34
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	18	0.33	0.18	0.28
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	18	0.33	0.18	0.28
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	18	0.33	0.2	0.28
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	18	0.33	0.2	0.28
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	18	0.33	0.2	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	18	0.33	0.2	0.28
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB3	18	0.32	0.13	0.31
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	18	0.32	0.13	0.31
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB3	18	0.32	0.13	0.31
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	18	0.32	0.13	0.31
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	18	0.31	0.16	0.25
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD1	18	0.31	0.16	0.25
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	18	0.31	0.16	0.25
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD1	18	0.31	0.16	0.25
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	18	0.29	0.15	0.22
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	18	0.29	0.15	0.22
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	18	0.24	0.1	0.21
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB2	18	0.24	0.1	0.21
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	18	0.24	0.1	0.21
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB2	18	0.24	0.1	0.21
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	18	0.15	0.04	0.14
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	18	0.15	0.04	0.14
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	17	0.94	0.82	0.41
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	17	0.94	0.82	0.41
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	17	0.94	0.82	0.41
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	17	0.94	0.82	0.41
(1,545)	1:15:A:ILE:HG21	1:17:A:ARG:HD3	17	0.49	0.33	0.39
(1,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD3	17	0.49	0.33	0.39
(1,545)	1:15:A:ILE:HG21	1:17:A:ARG:HD2	17	0.49	0.33	0.39
(1,545)	1:15:A:ILE:HG22	1:17:A:ARG:HD2	17	0.49	0.33	0.39
(1,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD2	17	0.49	0.33	0.39
(1,545)	1:15:A:ILE:HG22	1:17:A:ARG:HD3	17	0.49	0.33	0.39
(2,545)	1:15:A:ILE:HG21	1:17:A:ARG:HD3	17	0.49	0.33	0.39
(2,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD3	17	0.49	0.33	0.39
(2,545)	1:15:A:ILE:HG21	1:17:A:ARG:HD2	17	0.49	0.33	0.39
(2,545)	1:15:A:ILE:HG22	1:17:A:ARG:HD2	17	0.49	0.33	0.39
(2,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD2	17	0.49	0.33	0.39
(2,545)	1:15:A:ILE:HG22	1:17:A:ARG:HD3	17	0.49	0.33	0.39
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	17	0.46	0.27	0.41
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	17	0.46	0.27	0.41
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	17	0.41	0.23	0.36
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	17	0.41	0.23	0.36
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	17	0.4	0.23	0.33
(1,127)	1:38:A:MET:H	1:38:A:MET:HB2	17	0.35	0.15	0.4
(1,127)	1:38:A:MET:H	1:38:A:MET:HB3	17	0.35	0.15	0.4
(2,127)	1:38:A:MET:H	1:38:A:MET:HB2	17	0.35	0.15	0.4
(2,127)	1:38:A:MET:H	1:38:A:MET:HB3	17	0.35	0.15	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	17	0.29	0.13	0.25
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	17	0.29	0.13	0.25
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD12	17	0.28	0.13	0.23
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD11	17	0.28	0.13	0.23
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD13	17	0.28	0.13	0.23
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD12	17	0.28	0.13	0.23
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD11	17	0.28	0.13	0.23
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD13	17	0.28	0.13	0.23
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG21	17	0.27	0.09	0.27
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG12	17	0.27	0.09	0.27
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG22	17	0.27	0.09	0.27
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG11	17	0.27	0.09	0.27
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG23	17	0.27	0.09	0.27
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG13	17	0.27	0.09	0.27
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG21	17	0.27	0.09	0.27
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG12	17	0.27	0.09	0.27
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG22	17	0.27	0.09	0.27
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG11	17	0.27	0.09	0.27
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG23	17	0.27	0.09	0.27
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG13	17	0.27	0.09	0.27
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	17	0.27	0.15	0.2
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB2	17	0.27	0.15	0.2
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	17	0.27	0.15	0.2
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB2	17	0.27	0.15	0.2
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	17	0.26	0.14	0.21
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	17	0.26	0.14	0.21
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	17	0.23	0.05	0.23
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	17	0.23	0.05	0.23
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	17	0.18	0.08	0.15
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	17	0.18	0.08	0.15
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	17	0.15	0.02	0.14
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	17	0.15	0.02	0.14
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB3	16	0.66	0.45	0.46
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB2	16	0.66	0.45	0.46
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB3	16	0.66	0.45	0.46
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB2	16	0.66	0.45	0.46
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	16	0.55	0.03	0.55
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	16	0.55	0.03	0.55
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	16	0.33	0.18	0.24
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	16	0.33	0.18	0.24
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD2	16	0.33	0.16	0.29
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	16	0.33	0.16	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD2	16	0.33	0.16	0.29
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	16	0.33	0.16	0.29
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	16	0.32	0.18	0.22
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	16	0.32	0.18	0.22
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB3	16	0.31	0.28	0.23
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB2	16	0.31	0.28	0.23
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	16	0.31	0.12	0.3
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	16	0.31	0.12	0.3
(1,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	16	0.27	0.17	0.16
(1,521)	1:27:A:LYS:HB2	1:27:A:LYS:HD3	16	0.27	0.17	0.16
(2,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	16	0.27	0.17	0.16
(2,521)	1:27:A:LYS:HB2	1:27:A:LYS:HD3	16	0.27	0.17	0.16
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	16	0.27	0.14	0.26
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	16	0.27	0.14	0.26
(1,475)	1:21:A:ALA:HB3	1:30:A:ILE:HG13	16	0.25	0.09	0.24
(1,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG12	16	0.25	0.09	0.24
(1,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG13	16	0.25	0.09	0.24
(1,475)	1:21:A:ALA:HB3	1:30:A:ILE:HG12	16	0.25	0.09	0.24
(1,475)	1:21:A:ALA:HB1	1:30:A:ILE:HG12	16	0.25	0.09	0.24
(1,475)	1:21:A:ALA:HB1	1:30:A:ILE:HG13	16	0.25	0.09	0.24
(2,475)	1:21:A:ALA:HB3	1:30:A:ILE:HG13	16	0.25	0.09	0.24
(2,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG12	16	0.25	0.09	0.24
(2,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG13	16	0.25	0.09	0.24
(2,475)	1:21:A:ALA:HB3	1:30:A:ILE:HG12	16	0.25	0.09	0.24
(2,475)	1:21:A:ALA:HB1	1:30:A:ILE:HG12	16	0.25	0.09	0.24
(2,475)	1:21:A:ALA:HB1	1:30:A:ILE:HG13	16	0.25	0.09	0.24
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD13	16	0.24	0.12	0.2
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	16	0.24	0.12	0.2
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD11	16	0.24	0.12	0.2
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD13	16	0.24	0.12	0.2
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	16	0.24	0.12	0.2
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD11	16	0.24	0.12	0.2
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	16	0.21	0.09	0.19
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	16	0.21	0.09	0.19
(1,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE3	16	0.18	0.12	0.12
(1,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	16	0.18	0.12	0.12
(1,265)	1:3:A:LYS:HG2	1:3:A:LYS:HE2	16	0.18	0.12	0.12
(1,265)	1:3:A:LYS:HG2	1:3:A:LYS:HE3	16	0.18	0.12	0.12
(2,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE3	16	0.18	0.12	0.12
(2,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	16	0.18	0.12	0.12
(2,265)	1:3:A:LYS:HG2	1:3:A:LYS:HE2	16	0.18	0.12	0.12
(2,265)	1:3:A:LYS:HG2	1:3:A:LYS:HE3	16	0.18	0.12	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	16	0.17	0.05	0.15
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	16	0.17	0.05	0.15
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	16	0.14	0.03	0.14
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	16	0.14	0.03	0.14
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	16	0.12	0.03	0.11
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD2	16	0.12	0.03	0.11
(1,55)	1:10:A:TYR:HB2	1:10:A:TYR:HD2	16	0.12	0.03	0.11
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	16	0.12	0.03	0.11
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD2	16	0.12	0.03	0.11
(2,55)	1:10:A:TYR:HB2	1:10:A:TYR:HD2	16	0.12	0.03	0.11
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG13	15	0.44	0.25	0.64
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG12	15	0.44	0.25	0.64
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	15	0.38	0.16	0.43
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG12	15	0.38	0.16	0.43
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	15	0.38	0.16	0.43
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG12	15	0.38	0.16	0.43
(1,385)	1:29:A:VAL:H	1:9:A:THR:HB	15	0.34	0.21	0.34
(2,385)	1:29:A:VAL:H	1:9:A:THR:HB	15	0.34	0.21	0.34
(3,72)	1:36:A:ILE:HA	1:36:A:ILE:HB	15	0.32	0.15	0.45
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	15	0.28	0.18	0.2
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE1	15	0.28	0.18	0.2
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	15	0.28	0.18	0.2
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE1	15	0.28	0.18	0.2
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB2	15	0.26	0.16	0.25
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	15	0.26	0.16	0.25
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB2	15	0.26	0.16	0.25
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	15	0.26	0.16	0.25
(1,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB3	15	0.25	0.23	0.19
(1,70)	1:30:A:ILE:HD11	1:35:A:ASN:HB3	15	0.25	0.23	0.19
(1,70)	1:30:A:ILE:HD11	1:35:A:ASN:HB2	15	0.25	0.23	0.19
(1,70)	1:30:A:ILE:HD13	1:35:A:ASN:HB2	15	0.25	0.23	0.19
(1,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB2	15	0.25	0.23	0.19
(2,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB3	15	0.25	0.23	0.19
(2,70)	1:30:A:ILE:HD11	1:35:A:ASN:HB3	15	0.25	0.23	0.19
(2,70)	1:30:A:ILE:HD11	1:35:A:ASN:HB2	15	0.25	0.23	0.19
(2,70)	1:30:A:ILE:HD13	1:35:A:ASN:HB2	15	0.25	0.23	0.19
(2,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB2	15	0.25	0.23	0.19
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB2	15	0.24	0.14	0.2
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB3	15	0.24	0.14	0.2
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB1	15	0.24	0.14	0.2
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB2	15	0.24	0.14	0.2
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB3	15	0.24	0.14	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB1	15	0.24	0.14	0.2
(1,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	15	0.23	0.1	0.22
(2,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	15	0.23	0.1	0.22
(1,113)	1:28:A:LYS:H	1:27:A:LYS:HA	15	0.21	0.07	0.2
(2,113)	1:28:A:LYS:H	1:27:A:LYS:HA	15	0.21	0.07	0.2
(1,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	15	0.12	0.01	0.11
(2,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	15	0.12	0.01	0.11
(1,137)	1:23:A:CYS:H	1:23:A:CYS:HA	15	0.11	0.01	0.11
(2,137)	1:23:A:CYS:H	1:23:A:CYS:HA	15	0.11	0.01	0.11
(1,106)	1:3:A:LYS:H	1:3:A:LYS:HA	14	0.48	0.31	0.74
(2,106)	1:3:A:LYS:H	1:3:A:LYS:HA	14	0.48	0.31	0.74
(1,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	14	0.24	0.17	0.17
(1,262)	1:17:A:ARG:HA	1:17:A:ARG:HG2	14	0.24	0.17	0.17
(2,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	14	0.24	0.17	0.17
(2,262)	1:17:A:ARG:HA	1:17:A:ARG:HG2	14	0.24	0.17	0.17
(1,75)	1:30:A:ILE:HG21	1:10:A:TYR:HD2	14	0.24	0.16	0.18
(1,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD1	14	0.24	0.16	0.18
(1,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD2	14	0.24	0.16	0.18
(1,75)	1:30:A:ILE:HG21	1:10:A:TYR:HD1	14	0.24	0.16	0.18
(1,75)	1:30:A:ILE:HG23	1:10:A:TYR:HD1	14	0.24	0.16	0.18
(2,75)	1:30:A:ILE:HG21	1:10:A:TYR:HD2	14	0.24	0.16	0.18
(2,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD1	14	0.24	0.16	0.18
(2,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD2	14	0.24	0.16	0.18
(2,75)	1:30:A:ILE:HG21	1:10:A:TYR:HD1	14	0.24	0.16	0.18
(2,75)	1:30:A:ILE:HG23	1:10:A:TYR:HD1	14	0.24	0.16	0.18
(1,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	14	0.23	0.15	0.18
(2,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	14	0.23	0.15	0.18
(1,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	14	0.23	0.08	0.19
(1,209)	1:26:A:CYS:H	1:26:A:CYS:HB2	14	0.23	0.08	0.19
(2,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	14	0.23	0.08	0.19
(2,209)	1:26:A:CYS:H	1:26:A:CYS:HB2	14	0.23	0.08	0.19
(3,76)	1:25:A:LYS:HB2	1:25:A:LYS:HD3	14	0.22	0.21	0.13
(3,76)	1:25:A:LYS:HB3	1:25:A:LYS:HD3	14	0.22	0.21	0.13
(3,76)	1:25:A:LYS:HB2	1:25:A:LYS:HD2	14	0.22	0.21	0.13
(3,76)	1:25:A:LYS:HB3	1:25:A:LYS:HD2	14	0.22	0.21	0.13
(1,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	14	0.21	0.08	0.2
(1,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB3	14	0.21	0.08	0.2
(2,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	14	0.21	0.08	0.2
(2,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB3	14	0.21	0.08	0.2
(1,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	14	0.2	0.06	0.19
(2,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	14	0.2	0.06	0.19
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB3	14	0.18	0.04	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB1	14	0.18	0.04	0.19
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB2	14	0.18	0.04	0.19
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB3	14	0.18	0.04	0.19
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB1	14	0.18	0.04	0.19
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB2	14	0.18	0.04	0.19
(1,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	13	0.52	0.18	0.59
(1,38)	1:20:A:ASN:HB3	1:20:A:ASN:HD21	13	0.52	0.18	0.59
(2,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	13	0.52	0.18	0.59
(2,38)	1:20:A:ASN:HB3	1:20:A:ASN:HD21	13	0.52	0.18	0.59
(1,257)	1:4:A:LYS:H	1:3:A:LYS:HA	13	0.35	0.22	0.26
(2,257)	1:4:A:LYS:H	1:3:A:LYS:HA	13	0.35	0.22	0.26
(1,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	13	0.32	0.14	0.36
(1,101)	1:35:A:ASN:H	1:35:A:ASN:HB2	13	0.32	0.14	0.36
(2,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	13	0.32	0.14	0.36
(2,101)	1:35:A:ASN:H	1:35:A:ASN:HB2	13	0.32	0.14	0.36
(1,606)	1:4:A:LYS:H	1:4:A:LYS:HB3	13	0.3	0.29	0.15
(1,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	13	0.3	0.29	0.15
(2,606)	1:4:A:LYS:H	1:4:A:LYS:HB3	13	0.3	0.29	0.15
(2,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	13	0.3	0.29	0.15
(1,81)	1:16:A:ARG:HA	1:7:A:TYR:HD1	13	0.28	0.16	0.23
(1,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	13	0.28	0.16	0.23
(2,81)	1:16:A:ARG:HA	1:7:A:TYR:HD1	13	0.28	0.16	0.23
(2,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	13	0.28	0.16	0.23
(1,535)	1:21:A:ALA:H	1:30:A:ILE:H	13	0.2	0.07	0.19
(2,535)	1:21:A:ALA:H	1:30:A:ILE:H	13	0.2	0.07	0.19
(1,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	13	0.16	0.04	0.14
(2,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	13	0.16	0.04	0.14
(1,68)	1:30:A:ILE:HB	1:30:A:ILE:HD11	13	0.13	0.02	0.13
(1,68)	1:30:A:ILE:HB	1:30:A:ILE:HD13	13	0.13	0.02	0.13
(1,68)	1:30:A:ILE:HB	1:30:A:ILE:HD12	13	0.13	0.02	0.13
(2,68)	1:30:A:ILE:HB	1:30:A:ILE:HD11	13	0.13	0.02	0.13
(2,68)	1:30:A:ILE:HB	1:30:A:ILE:HD13	13	0.13	0.02	0.13
(2,68)	1:30:A:ILE:HB	1:30:A:ILE:HD12	13	0.13	0.02	0.13
(1,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	12	0.4	0.29	0.34
(2,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	12	0.4	0.29	0.34
(1,365)	1:30:A:ILE:HD12	1:39:A:CYS:HB3	12	0.27	0.18	0.2
(1,365)	1:30:A:ILE:HD11	1:39:A:CYS:HB3	12	0.27	0.18	0.2
(1,365)	1:30:A:ILE:HD13	1:39:A:CYS:HB3	12	0.27	0.18	0.2
(2,365)	1:30:A:ILE:HD12	1:39:A:CYS:HB3	12	0.27	0.18	0.2
(2,365)	1:30:A:ILE:HD11	1:39:A:CYS:HB3	12	0.27	0.18	0.2
(2,365)	1:30:A:ILE:HD13	1:39:A:CYS:HB3	12	0.27	0.18	0.2
(1,450)	1:9:A:THR:H	1:30:A:ILE:HA	12	0.24	0.1	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,450)	1:9:A:THR:H	1:30:A:ILE:HA	12	0.24	0.1	0.22
(1,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	12	0.22	0.13	0.17
(1,333)	1:17:A:ARG:HB3	1:17:A:ARG:HD3	12	0.22	0.13	0.17
(1,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD2	12	0.22	0.13	0.17
(1,333)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	12	0.22	0.13	0.17
(2,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	12	0.22	0.13	0.17
(2,333)	1:17:A:ARG:HB3	1:17:A:ARG:HD3	12	0.22	0.13	0.17
(2,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD2	12	0.22	0.13	0.17
(2,333)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	12	0.22	0.13	0.17
(1,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	12	0.21	0.11	0.16
(2,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	12	0.21	0.11	0.16
(3,94)	1:25:A:LYS:H	1:26:A:CYS:H	12	0.19	0.12	0.14
(1,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	12	0.16	0.05	0.15
(2,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	12	0.16	0.05	0.15
(1,500)	1:22:A:SER:HA	1:29:A:VAL:HA	12	0.12	0.02	0.11
(2,500)	1:22:A:SER:HA	1:29:A:VAL:HA	12	0.12	0.02	0.11
(1,60)	1:10:A:TYR:H	1:10:A:TYR:HA	12	0.11	0.01	0.11
(2,60)	1:10:A:TYR:H	1:10:A:TYR:HA	12	0.11	0.01	0.11
(1,170)	1:29:A:VAL:HA	1:29:A:VAL:HG12	12	0.11	0.01	0.11
(1,170)	1:29:A:VAL:HA	1:29:A:VAL:HG13	12	0.11	0.01	0.11
(1,170)	1:29:A:VAL:HA	1:29:A:VAL:HG11	12	0.11	0.01	0.11
(2,170)	1:29:A:VAL:HA	1:29:A:VAL:HG12	12	0.11	0.01	0.11
(2,170)	1:29:A:VAL:HA	1:29:A:VAL:HG13	12	0.11	0.01	0.11
(2,170)	1:29:A:VAL:HA	1:29:A:VAL:HG11	12	0.11	0.01	0.11
(1,278)	1:29:A:VAL:HG13	1:5:A:ARG:HB2	11	0.36	0.35	0.22
(1,278)	1:29:A:VAL:HG12	1:5:A:ARG:HB3	11	0.36	0.35	0.22
(1,278)	1:29:A:VAL:HG11	1:5:A:ARG:HB2	11	0.36	0.35	0.22
(1,278)	1:29:A:VAL:HG11	1:5:A:ARG:HB3	11	0.36	0.35	0.22
(1,278)	1:29:A:VAL:HG13	1:5:A:ARG:HB3	11	0.36	0.35	0.22
(1,278)	1:29:A:VAL:HG22	1:5:A:ARG:HB3	11	0.36	0.35	0.22
(2,278)	1:29:A:VAL:HG13	1:5:A:ARG:HB2	11	0.36	0.35	0.22
(2,278)	1:29:A:VAL:HG12	1:5:A:ARG:HB3	11	0.36	0.35	0.22
(2,278)	1:29:A:VAL:HG11	1:5:A:ARG:HB2	11	0.36	0.35	0.22
(2,278)	1:29:A:VAL:HG11	1:5:A:ARG:HB3	11	0.36	0.35	0.22
(2,278)	1:29:A:VAL:HG13	1:5:A:ARG:HB3	11	0.36	0.35	0.22
(2,278)	1:29:A:VAL:HG22	1:5:A:ARG:HB3	11	0.36	0.35	0.22
(1,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	11	0.17	0.07	0.16
(2,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	11	0.17	0.07	0.16
(1,65)	1:22:A:SER:H	1:21:A:ALA:HB2	11	0.17	0.06	0.15
(1,65)	1:22:A:SER:H	1:21:A:ALA:HB3	11	0.17	0.06	0.15
(1,65)	1:22:A:SER:H	1:21:A:ALA:HB1	11	0.17	0.06	0.15
(2,65)	1:22:A:SER:H	1:21:A:ALA:HB2	11	0.17	0.06	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,65)	1:22:A:SER:H	1:21:A:ALA:HB3	11	0.17	0.06	0.15
(2,65)	1:22:A:SER:H	1:21:A:ALA:HB1	11	0.17	0.06	0.15
(1,614)	1:24:A:LYS:HA	1:24:A:LYS:HB3	11	0.16	0.05	0.16
(1,614)	1:24:A:LYS:HA	1:24:A:LYS:HB2	11	0.16	0.05	0.16
(2,614)	1:24:A:LYS:HA	1:24:A:LYS:HB3	11	0.16	0.05	0.16
(2,614)	1:24:A:LYS:HA	1:24:A:LYS:HB2	11	0.16	0.05	0.16
(1,251)	1:13:A:SER:H	1:12:A:PRO:HB2	11	0.15	0.02	0.15
(1,251)	1:13:A:SER:H	1:12:A:PRO:HB3	11	0.15	0.02	0.15
(2,251)	1:13:A:SER:H	1:12:A:PRO:HB2	11	0.15	0.02	0.15
(2,251)	1:13:A:SER:H	1:12:A:PRO:HB3	11	0.15	0.02	0.15
(3,5)	1:25:A:LYS:HA	1:25:A:LYS:HG2	10	0.18	0.07	0.16
(3,5)	1:25:A:LYS:HA	1:25:A:LYS:HG3	10	0.18	0.07	0.16
(1,190)	1:10:A:TYR:H	1:9:A:THR:HA	10	0.11	0.01	0.11
(2,190)	1:10:A:TYR:H	1:9:A:THR:HA	10	0.11	0.01	0.11
(1,131)	1:32:A:ARG:H	1:33:A:GLU:H	9	0.16	0.05	0.13
(2,131)	1:32:A:ARG:H	1:33:A:GLU:H	9	0.16	0.05	0.13
(1,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	9	0.14	0.04	0.12
(2,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	9	0.14	0.04	0.12
(1,528)	1:30:A:ILE:HG23	1:30:A:ILE:HG12	9	0.13	0.02	0.13
(1,528)	1:30:A:ILE:HG21	1:30:A:ILE:HG12	9	0.13	0.02	0.13
(1,528)	1:30:A:ILE:HG22	1:30:A:ILE:HG12	9	0.13	0.02	0.13
(1,574)	1:1:A:VAL:HA	1:1:A:VAL:HG13	9	0.13	0.03	0.13
(1,574)	1:1:A:VAL:HA	1:1:A:VAL:HG22	9	0.13	0.03	0.13
(1,574)	1:1:A:VAL:HA	1:1:A:VAL:HG12	9	0.13	0.03	0.13
(1,574)	1:1:A:VAL:HA	1:1:A:VAL:HG23	9	0.13	0.03	0.13
(1,574)	1:1:A:VAL:HA	1:1:A:VAL:HG21	9	0.13	0.03	0.13
(2,528)	1:30:A:ILE:HG23	1:30:A:ILE:HG12	9	0.13	0.02	0.13
(2,528)	1:30:A:ILE:HG21	1:30:A:ILE:HG12	9	0.13	0.02	0.13
(2,528)	1:30:A:ILE:HG22	1:30:A:ILE:HG12	9	0.13	0.02	0.13
(2,574)	1:1:A:VAL:HA	1:1:A:VAL:HG13	9	0.13	0.03	0.13
(2,574)	1:1:A:VAL:HA	1:1:A:VAL:HG22	9	0.13	0.03	0.13
(2,574)	1:1:A:VAL:HA	1:1:A:VAL:HG12	9	0.13	0.03	0.13
(2,574)	1:1:A:VAL:HA	1:1:A:VAL:HG23	9	0.13	0.03	0.13
(2,574)	1:1:A:VAL:HA	1:1:A:VAL:HG21	9	0.13	0.03	0.13
(1,550)	1:10:A:TYR:H	1:8:A:CYS:HA	9	0.13	0.02	0.13
(2,550)	1:10:A:TYR:H	1:8:A:CYS:HA	9	0.13	0.02	0.13
(3,13)	1:36:A:ILE:HA	1:36:A:ILE:HG21	8	1.25	0.02	1.25
(3,13)	1:36:A:ILE:HA	1:36:A:ILE:HG23	8	1.25	0.02	1.25
(3,13)	1:36:A:ILE:HA	1:36:A:ILE:HG22	8	1.25	0.02	1.25
(3,12)	1:36:A:ILE:HB	1:36:A:ILE:HD11	8	0.49	0.49	0.12
(3,12)	1:36:A:ILE:HB	1:36:A:ILE:HD12	8	0.49	0.49	0.12
(3,12)	1:36:A:ILE:HB	1:36:A:ILE:HD13	8	0.49	0.49	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,223)	1:14:A:LYS:H	1:13:A:SER:HB2	8	0.22	0.09	0.18
(1,223)	1:14:A:LYS:H	1:13:A:SER:HB3	8	0.22	0.09	0.18
(2,223)	1:14:A:LYS:H	1:13:A:SER:HB2	8	0.22	0.09	0.18
(2,223)	1:14:A:LYS:H	1:13:A:SER:HB3	8	0.22	0.09	0.18
(1,149)	1:5:A:ARG:H	1:5:A:ARG:HB3	8	0.16	0.09	0.12
(1,149)	1:5:A:ARG:H	1:5:A:ARG:HB2	8	0.16	0.09	0.12
(2,149)	1:5:A:ARG:H	1:5:A:ARG:HB3	8	0.16	0.09	0.12
(2,149)	1:5:A:ARG:H	1:5:A:ARG:HB2	8	0.16	0.09	0.12
(1,6)	1:42:A:CYS:H	1:42:A:CYS:HB3	7	0.53	0.3	0.53
(1,6)	1:42:A:CYS:H	1:42:A:CYS:HB2	7	0.53	0.3	0.53
(2,6)	1:42:A:CYS:H	1:42:A:CYS:HB3	7	0.53	0.3	0.53
(2,6)	1:42:A:CYS:H	1:42:A:CYS:HB2	7	0.53	0.3	0.53
(1,144)	1:11:A:CYS:H	1:10:A:TYR:HB2	7	0.21	0.13	0.18
(2,144)	1:11:A:CYS:H	1:10:A:TYR:HB2	7	0.21	0.13	0.18
(1,121)	1:33:A:GLU:H	1:33:A:GLU:HB2	6	0.18	0.12	0.12
(1,121)	1:33:A:GLU:H	1:33:A:GLU:HB3	6	0.18	0.12	0.12
(2,121)	1:33:A:GLU:H	1:33:A:GLU:HB2	6	0.18	0.12	0.12
(2,121)	1:33:A:GLU:H	1:33:A:GLU:HB3	6	0.18	0.12	0.12
(1,624)	1:14:A:LYS:HG2	1:14:A:LYS:HE3	6	0.12	0.02	0.12
(2,624)	1:14:A:LYS:HG2	1:14:A:LYS:HE3	6	0.12	0.02	0.12
(3,74)	1:25:A:LYS:HD3	1:25:A:LYS:HE3	6	0.1	0.0	0.1
(3,74)	1:25:A:LYS:HD2	1:25:A:LYS:HE2	6	0.1	0.0	0.1
(3,74)	1:25:A:LYS:HD3	1:25:A:LYS:HE2	6	0.1	0.0	0.1
(3,74)	1:25:A:LYS:HD2	1:25:A:LYS:HE3	6	0.1	0.0	0.1
(1,607)	1:2:A:MET:HA	1:2:A:MET:HG2	5	0.48	0.19	0.57
(1,607)	1:2:A:MET:HA	1:2:A:MET:HG3	5	0.48	0.19	0.57
(2,607)	1:2:A:MET:HA	1:2:A:MET:HG2	5	0.48	0.19	0.57
(2,607)	1:2:A:MET:HA	1:2:A:MET:HG3	5	0.48	0.19	0.57
(1,66)	1:22:A:SER:H	1:21:A:ALA:HA	5	0.15	0.04	0.13
(2,66)	1:22:A:SER:H	1:21:A:ALA:HA	5	0.15	0.04	0.13
(1,85)	1:34:A:HIS:HA	1:34:A:HIS:HD2	5	0.13	0.02	0.13
(2,85)	1:34:A:HIS:HA	1:34:A:HIS:HD2	5	0.13	0.02	0.13
(1,26)	1:20:A:ASN:H	1:20:A:ASN:HB3	4	0.64	0.32	0.76
(1,26)	1:20:A:ASN:H	1:20:A:ASN:HB2	4	0.64	0.32	0.76
(2,26)	1:20:A:ASN:H	1:20:A:ASN:HB3	4	0.64	0.32	0.76
(2,26)	1:20:A:ASN:H	1:20:A:ASN:HB2	4	0.64	0.32	0.76
(1,635)	1:24:A:LYS:HG2	1:24:A:LYS:HE3	4	0.32	0.12	0.33
(1,635)	1:24:A:LYS:HG3	1:24:A:LYS:HE3	4	0.32	0.12	0.33
(1,635)	1:24:A:LYS:HG3	1:24:A:LYS:HE2	4	0.32	0.12	0.33
(2,635)	1:24:A:LYS:HG2	1:24:A:LYS:HE3	4	0.32	0.12	0.33
(2,635)	1:24:A:LYS:HG3	1:24:A:LYS:HE3	4	0.32	0.12	0.33
(2,635)	1:24:A:LYS:HG3	1:24:A:LYS:HE2	4	0.32	0.12	0.33

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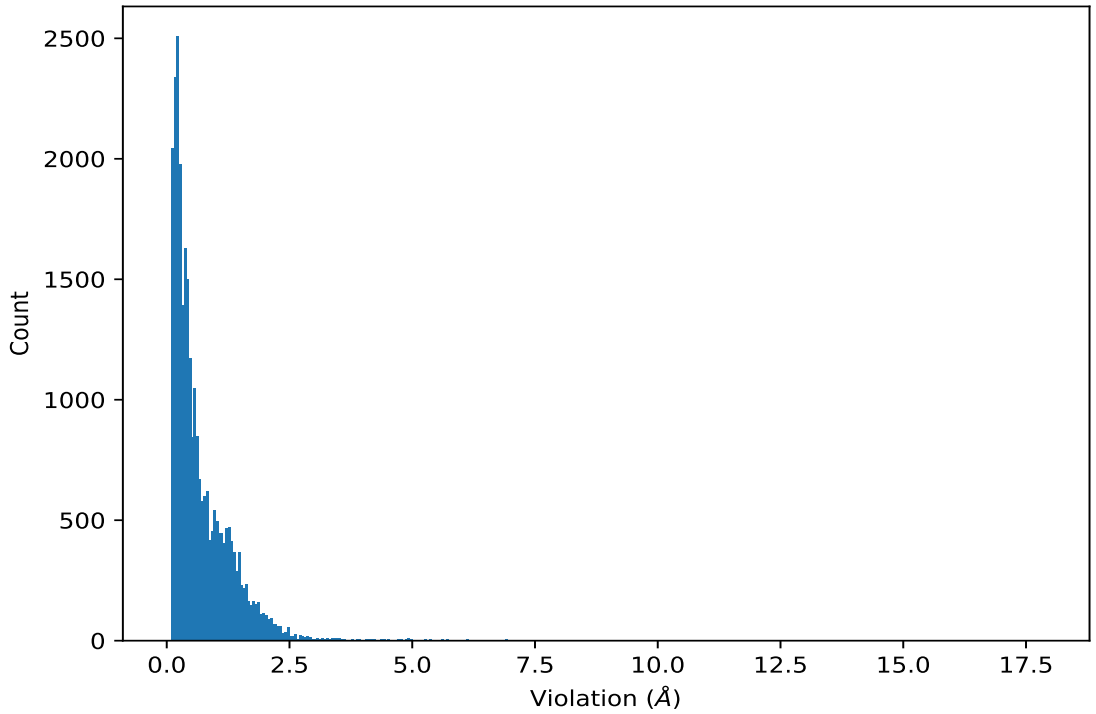
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,14)	1:41:A:SER:H	1:41:A:SER:HB2	4	0.16	0.05	0.15
(1,14)	1:41:A:SER:H	1:41:A:SER:HB3	4	0.16	0.05	0.15
(2,14)	1:41:A:SER:H	1:41:A:SER:HB2	4	0.16	0.05	0.15
(2,14)	1:41:A:SER:H	1:41:A:SER:HB3	4	0.16	0.05	0.15
(1,90)	1:37:A:ASP:HA	1:37:A:ASP:HB3	3	0.47	0.02	0.48
(2,90)	1:37:A:ASP:HA	1:37:A:ASP:HB3	3	0.47	0.02	0.48
(1,620)	1:18:A:LYS:HA	1:18:A:LYS:HB3	3	0.15	0.03	0.16
(2,620)	1:18:A:LYS:HA	1:18:A:LYS:HB3	3	0.15	0.03	0.16
(1,216)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	3	0.11	0.0	0.11
(1,216)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	3	0.11	0.0	0.11
(1,216)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	3	0.11	0.0	0.11
(2,216)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	3	0.11	0.0	0.11
(2,216)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	3	0.11	0.0	0.11
(2,216)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	3	0.11	0.0	0.11
(1,640)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	2	0.16	0.05	0.16
(2,640)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	2	0.16	0.05	0.16
(1,28)	1:20:A:ASN:HA	1:20:A:ASN:HB3	2	0.11	0.0	0.11
(1,108)	1:32:A:ARG:HA	1:32:A:ARG:HB3	2	0.11	0.0	0.11
(2,28)	1:20:A:ASN:HA	1:20:A:ASN:HB3	2	0.11	0.0	0.11
(2,108)	1:32:A:ARG:HA	1:32:A:ARG:HB3	2	0.11	0.0	0.11
(1,40)	1:22:A:SER:H	1:22:A:SER:HA	2	0.11	0.0	0.11
(2,40)	1:22:A:SER:H	1:22:A:SER:HA	2	0.11	0.0	0.11

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,90)	1:36:A:ILE:HD13	1:43:A:PHE:HB2	15	17.89
(3,70)	1:36:A:ILE:HD13	1:43:A:PHE:HD2	15	16.39
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD13	15	15.85
(3,70)	1:36:A:ILE:HD12	1:43:A:PHE:HD1	7	15.44
(3,90)	1:36:A:ILE:HD12	1:43:A:PHE:HB2	7	14.97
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD12	7	14.42
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD11	23	13.98
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD13	1	13.49
(3,90)	1:36:A:ILE:HD11	1:43:A:PHE:HB2	17	13.41
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD12	11	13.21
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD12	19	13.15
(3,71)	1:36:A:ILE:HG22	1:43:A:PHE:HD2	15	13.09
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE1	10	12.9
(3,70)	1:36:A:ILE:HD11	1:43:A:PHE:HD1	17	12.85
(3,71)	1:36:A:ILE:HG21	1:43:A:PHE:HD1	17	12.82
(3,90)	1:36:A:ILE:HD13	1:43:A:PHE:HB2	21	12.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,90)	1:36:A:ILE:HD11	1:43:A:PHE:HB2	3	12.54
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE1	10	12.49
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG22	15	12.43
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD11	3	12.21
(3,90)	1:36:A:ILE:HD11	1:43:A:PHE:HB2	23	12.15
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD12	7	12.06
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD13	21	11.88
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD11	9	11.82
(3,71)	1:36:A:ILE:HG23	1:43:A:PHE:HD1	7	11.79
(3,70)	1:36:A:ILE:HD13	1:43:A:PHE:HD1	21	11.74
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD11	23	11.68
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG21	17	11.5
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG21	1	11.43
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD11	17	11.26
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD13	15	11.22
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE1	18	11.19
(3,70)	1:36:A:ILE:HD11	1:43:A:PHE:HD2	3	11.17
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE1	4	11.15
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD12	11	11.12
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE2	20	11.06
(3,90)	1:36:A:ILE:HD13	1:43:A:PHE:HB2	1	10.92
(3,70)	1:36:A:ILE:HD13	1:43:A:PHE:HD2	1	10.78
(3,70)	1:36:A:ILE:HD11	1:43:A:PHE:HD2	23	10.73
(3,49)	1:25:A:LYS:HD3	1:43:A:PHE:HD1	10	10.73
(3,61)	1:25:A:LYS:HG2	1:43:A:PHE:HE1	10	10.65
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE1	8	10.65
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG21	7	10.61
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE2	2	10.46
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE1	22	10.44
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD1	10	10.41
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE2	16	10.37
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG21	23	10.26
(3,70)	1:36:A:ILE:HD13	1:43:A:PHE:HD2	19	10.23
(3,90)	1:36:A:ILE:HD13	1:43:A:PHE:HB2	19	10.19
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD11	9	9.9
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG23	21	9.81
(3,67)	1:25:A:LYS:HB3	1:43:A:PHE:HE1	10	9.8
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE1	10	9.7
(3,70)	1:36:A:ILE:HD11	1:43:A:PHE:HD2	5	9.68
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE1	6	9.63
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD12	11	9.51
(3,61)	1:25:A:LYS:HG3	1:43:A:PHE:HE2	16	9.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	10	9.51
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD11	3	9.49
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE1	12	9.47
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD11	23	9.39
(3,70)	1:36:A:ILE:HD12	1:43:A:PHE:HD1	11	9.36
(3,90)	1:36:A:ILE:HD12	1:43:A:PHE:HB3	11	9.21
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD12	7	9.19
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD11	19	9.19
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG22	9	9.15
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD11	5	9.08
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD11	13	9.08
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE2	14	9.06
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE1	24	9.06
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD11	9	9.01
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE2	20	9.0
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG22	11	8.98
(3,40)	1:25:A:LYS:HD2	1:43:A:PHE:HE2	20	8.91
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD11	13	8.81
(3,71)	1:36:A:ILE:HG23	1:43:A:PHE:HD1	21	8.74
(3,91)	1:36:A:ILE:HD13	1:38:A:MET:HG2	15	8.73
(3,90)	1:36:A:ILE:HD11	1:43:A:PHE:HB2	9	8.68
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD13	15	8.66
(3,70)	1:36:A:ILE:HD11	1:43:A:PHE:HD2	13	8.62
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE1	4	8.61
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD1	18	8.59
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE2	2	8.59
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE3	10	8.59
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD1	4	8.57
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG22	19	8.54
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE1	18	8.49
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE2	20	8.48
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD13	1	8.48
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE1	18	8.47
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE1	8	8.39
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE1	4	8.37
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD2	20	8.35
(3,71)	1:36:A:ILE:HG21	1:43:A:PHE:HD2	1	8.26
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD13	21	8.22
(3,90)	1:36:A:ILE:HD11	1:43:A:PHE:HB2	5	8.18
(3,61)	1:25:A:LYS:HG3	1:43:A:PHE:HE1	18	8.16
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE2	2	8.15
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE1	22	8.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD1	8	8.1
(3,61)	1:25:A:LYS:HG3	1:43:A:PHE:HE1	4	8.07
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE1	22	8.0
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD11	5	7.96
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE1	8	7.95
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD2	16	7.92
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD2	2	7.88
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD1	22	7.88
(3,61)	1:25:A:LYS:HG2	1:43:A:PHE:HE2	2	7.88
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD12	19	7.82
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD11	17	7.78
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG21	3	7.77
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE2	2	7.74
(3,66)	1:25:A:LYS:HB3	1:43:A:PHE:HD1	10	7.74
(3,61)	1:25:A:LYS:HG3	1:43:A:PHE:HE1	8	7.74
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE2	16	7.69
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD11	3	7.68
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE1	12	7.64
(3,70)	1:36:A:ILE:HD11	1:43:A:PHE:HD1	9	7.64
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG21	5	7.63
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE2	16	7.59
(3,90)	1:36:A:ILE:HD11	1:43:A:PHE:HB2	13	7.56
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE1	22	7.56
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE1	6	7.5
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE1	6	7.45
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG13	7	7.37
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD12	7	7.32
(3,40)	1:25:A:LYS:HD2	1:43:A:PHE:HE2	16	7.31
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG13	23	7.24
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD12	11	7.18
(3,71)	1:36:A:ILE:HG21	1:43:A:PHE:HD2	5	7.15
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD11	23	7.13
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD1	6	7.12
(3,91)	1:36:A:ILE:HD13	1:38:A:MET:HG2	1	7.12
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE1	24	7.05
(3,61)	1:25:A:LYS:HG3	1:43:A:PHE:HE2	20	7.05
(3,61)	1:25:A:LYS:HG2	1:43:A:PHE:HE1	6	7.04
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD1	12	7.02
(3,49)	1:25:A:LYS:HD2	1:43:A:PHE:HD2	20	7.02
(3,91)	1:36:A:ILE:HD13	1:38:A:MET:HG3	21	6.99
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE1	12	6.93
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG21	17	6.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,71)	1:36:A:ILE:HG21	1:43:A:PHE:HD2	23	6.92
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE1	6	6.92
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG2	10	6.9
(3,91)	1:36:A:ILE:HD12	1:38:A:MET:HG2	19	6.89
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD11	13	6.87
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD11	9	6.86
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG13	11	6.83
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE1	12	6.82
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG21	1	6.79
(3,49)	1:25:A:LYS:HD3	1:43:A:PHE:HD2	2	6.74
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD2	14	6.71
(3,61)	1:25:A:LYS:HG2	1:43:A:PHE:HE1	12	6.7
(3,40)	1:25:A:LYS:HD2	1:43:A:PHE:HE1	18	6.65
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD1	24	6.62
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE1	24	6.6
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	7	6.6
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE2	14	6.58
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG23	21	6.57
(3,71)	1:36:A:ILE:HG23	1:43:A:PHE:HD2	3	6.57
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG22	23	6.56
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE2	14	6.54
(3,61)	1:25:A:LYS:HG3	1:43:A:PHE:HE1	22	6.51
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB3	10	6.45
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD13	15	6.44
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD13	1	6.44
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG3	8	6.43
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG21	5	6.4
(3,91)	1:36:A:ILE:HD11	1:38:A:MET:HG2	3	6.39
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG13	15	6.39
(3,40)	1:25:A:LYS:HD2	1:43:A:PHE:HE1	4	6.38
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD13	15	6.35
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	15	6.29
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD1	18	6.22
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD11	17	6.18
(3,91)	1:36:A:ILE:HD12	1:38:A:MET:HG3	7	6.12
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD1	4	6.12
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG13	3	6.12
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE1	24	6.12
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD2	20	6.11
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD11	3	6.09
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG12	9	6.08
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD13	21	6.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	23	6.05
(3,49)	1:25:A:LYS:HD3	1:43:A:PHE:HD1	22	6.02
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD11	5	6.0
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD12	19	5.99
(3,71)	1:36:A:ILE:HG22	1:43:A:PHE:HD2	19	5.99
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	2	5.98
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG23	11	5.93
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE2	2	5.9
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD12	7	5.88
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	3	5.86
(3,61)	1:25:A:LYS:HG3	1:43:A:PHE:HE2	14	5.85
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	22	5.82
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG22	10	5.77
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG21	7	5.75
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	11	5.75
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG12	1	5.74
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD1	8	5.73
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD2	16	5.73
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD2	20	5.73
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD1	22	5.71
(3,40)	1:25:A:LYS:HD2	1:43:A:PHE:HE1	8	5.71
(3,49)	1:25:A:LYS:HD3	1:43:A:PHE:HD1	6	5.69
(3,91)	1:36:A:ILE:HD11	1:38:A:MET:HG2	5	5.64
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD2	2	5.63
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	10	5.62
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	6	5.61
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG21	4	5.61
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG23	9	5.6
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD11	3	5.56
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD11	23	5.56
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG22	18	5.56
(3,61)	1:25:A:LYS:HG3	1:43:A:PHE:HE1	24	5.52
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG23	2	5.5
(3,49)	1:25:A:LYS:HD2	1:43:A:PHE:HD2	16	5.45
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG3	4	5.42
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG2	16	5.42
(3,91)	1:36:A:ILE:HD11	1:38:A:MET:HG3	23	5.41
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD11	13	5.39
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG12	21	5.39
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG3	18	5.39
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG12	5	5.38
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	8	5.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG13	19	5.33
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD12	11	5.32
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	12	5.3
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG21	14	5.3
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG23	8	5.29
(3,92)	1:36:A:ILE:HG21	1:38:A:MET:HG2	1	5.27
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG23	15	5.27
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE2	22	5.27
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG23	22	5.27
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	17	5.25
(3,49)	1:25:A:LYS:HD3	1:43:A:PHE:HD1	12	5.24
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD13	1	5.2
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	24	5.2
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG13	13	5.17
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG22	12	5.16
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD11	5	5.14
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB2	8	5.1
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD13	21	5.07
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG12	9	5.06
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG12	1	5.05
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE3	20	5.05
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG22	13	5.01
(3,15)	1:36:A:ILE:HG23	1:38:A:MET:HB3	8	5.01
(3,71)	1:36:A:ILE:HG22	1:43:A:PHE:HD2	13	5.0
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG21	1	4.98
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD13	1	4.97
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	22	4.97
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG21	17	4.97
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG23	21	4.97
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD11	17	4.96
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD11	9	4.94
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	4	4.94
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE2	24	4.94
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	20	4.93
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD1	10	4.93
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG21	1	4.92
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	2	4.9
(3,71)	1:36:A:ILE:HG22	1:43:A:PHE:HD1	11	4.9
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG23	21	4.9
(3,71)	1:36:A:ILE:HG22	1:43:A:PHE:HD1	9	4.88
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG21	17	4.87
(3,92)	1:36:A:ILE:HG22	1:38:A:MET:HG2	15	4.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD1	6	4.86
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG21	5	4.86
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD13	21	4.83
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD1	12	4.82
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD1	24	4.79
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE3	8	4.78
(3,91)	1:36:A:ILE:HD11	1:38:A:MET:HG2	13	4.76
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE2	6	4.75
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG3	13	4.75
(3,92)	1:36:A:ILE:HG21	1:38:A:MET:HG2	22	4.74
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	13	4.74
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE2	14	4.74
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	14	4.72
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD11	5	4.71
(3,49)	1:25:A:LYS:HD2	1:43:A:PHE:HD1	18	4.7
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG12	21	4.69
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD12	19	4.68
(3,49)	1:25:A:LYS:HD3	1:43:A:PHE:HD1	24	4.68
(3,92)	1:36:A:ILE:HG23	1:38:A:MET:HG2	21	4.65
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG21	5	4.63
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD11	17	4.62
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	12	4.61
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG22	15	4.6
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	16	4.54
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG22	23	4.54
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	19	4.53
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG12	5	4.52
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG13	17	4.52
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	6	4.47
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG21	7	4.45
(3,49)	1:25:A:LYS:HD2	1:43:A:PHE:HD1	4	4.44
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD2	8	4.44
(3,92)	1:36:A:ILE:HG21	1:38:A:MET:HG2	4	4.41
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE2	18	4.41
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD2	14	4.4
(3,91)	1:36:A:ILE:HD12	1:38:A:MET:HG3	11	4.39
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD11	13	4.39
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB2	18	4.37
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB2	4	4.35
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG21	23	4.35
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG23	20	4.34
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG2	5	4.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,92)	1:36:A:ILE:HG21	1:38:A:MET:HG2	14	4.3
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	24	4.29
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG3	14	4.29
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG23	16	4.28
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB3	16	4.27
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE3	4	4.24
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	18	4.23
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB3	2	4.23
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD2	20	4.21
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	15	4.2
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD1	8	4.19
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG21	24	4.18
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG22	4	4.17
(3,92)	1:36:A:ILE:HG23	1:38:A:MET:HG2	2	4.16
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD2	11	4.16
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG21	7	4.12
(3,92)	1:36:A:ILE:HG22	1:38:A:MET:HG3	12	4.11
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG21	8	4.1
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE2	12	4.1
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE3	16	4.1
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB3	12	4.08
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB3	12	4.08
(3,92)	1:36:A:ILE:HG22	1:38:A:MET:HG3	10	4.07
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD1	22	4.06
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG23	10	4.05
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG21	3	4.05
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG22	14	4.03
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG23	12	4.01
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG22	14	4.0
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD1	4	4.0
(3,91)	1:36:A:ILE:HD11	1:38:A:MET:HG3	17	3.95
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG22	4	3.94
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG23	12	3.94
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD1	18	3.94
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG23	11	3.91
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB3	12	3.91
(3,71)	1:36:A:ILE:HG22	1:43:A:PHE:HD1	18	3.88
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB2	20	3.88
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG21	8	3.88
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG23	10	3.87
(3,15)	1:36:A:ILE:HG21	1:38:A:MET:HB2	17	3.87
(2,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB3	12	3.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB3	12	3.86
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB3	6	3.83
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG21	2	3.82
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG22	15	3.81
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG21	22	3.79
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG22	9	3.78
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG21	3	3.76
(3,49)	1:25:A:LYS:HD2	1:43:A:PHE:HD1	8	3.76
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD2	2	3.75
(2,569)	1:30:A:ILE:HD12	1:37:A:ASP:HB3	12	3.74
(1,569)	1:30:A:ILE:HD12	1:37:A:ASP:HB3	12	3.74
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG22	11	3.71
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG23	18	3.7
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	1	3.69
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	11	3.69
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG2	2	3.68
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB2	22	3.65
(3,92)	1:36:A:ILE:HG22	1:38:A:MET:HG2	18	3.64
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG21	2	3.64
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD2	18	3.63
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG21	17	3.62
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	11	3.62
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG21	1	3.58
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG23	21	3.57
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG23	9	3.57
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG21	22	3.57
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG3	20	3.57
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	23	3.57
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG23	16	3.54
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG23	16	3.53
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	7	3.53
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG21	5	3.52
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD1	6	3.52
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD1	24	3.52
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD2	4	3.52
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG21	24	3.51
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD1	12	3.51
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD2	16	3.51
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB3	8	3.51
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB3	8	3.51
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	1	3.48
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	3	3.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	21	3.48
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	16	3.47
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD2	1	3.46
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	23	3.46
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	1	3.46
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	1	3.46
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	5	3.45
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD2	14	3.43
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG21	24	3.42
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	15	3.42
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	23	3.42
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG23	19	3.41
(2,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB3	8	3.41
(1,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB3	8	3.41
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD2	13	3.4
(3,37)	1:43:A:PHE:H	1:36:A:ILE:HG23	6	3.4
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB2	14	3.4
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB2	14	3.4
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	13	3.39
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG2	6	3.39
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD2	23	3.37
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	11	3.37
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG23	18	3.36
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG23	20	3.36
(2,569)	1:30:A:ILE:HD12	1:37:A:ASP:HB3	8	3.36
(1,569)	1:30:A:ILE:HD12	1:37:A:ASP:HB3	8	3.36
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG23	15	3.35
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB2	24	3.35
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	3	3.35
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	19	3.34
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	3	3.31
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	23	3.31
(2,569)	1:30:A:ILE:HD12	1:37:A:ASP:HB3	16	3.3
(1,569)	1:30:A:ILE:HD12	1:37:A:ASP:HB3	16	3.3
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD2	9	3.27
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	7	3.27
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG3	22	3.27
(2,569)	1:30:A:ILE:HD13	1:37:A:ASP:HB3	18	3.27
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	16	3.27
(1,569)	1:30:A:ILE:HD13	1:37:A:ASP:HB3	18	3.27
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	16	3.27
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	9	3.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,71)	1:36:A:ILE:HG23	1:43:A:PHE:HD2	2	3.25
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	9	3.25
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG23	20	3.24
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB2	14	3.24
(3,15)	1:36:A:ILE:HG21	1:38:A:MET:HB3	4	3.24
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	19	3.23
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	21	3.22
(2,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB2	14	3.21
(1,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB2	14	3.21
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG22	13	3.19
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG23	13	3.18
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE3	5	3.18
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB3	16	3.16
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB3	16	3.16
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG23	17	3.15
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB3	13	3.15
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD11	12	3.15
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD13	18	3.15
(3,15)	1:36:A:ILE:HG21	1:38:A:MET:HB3	1	3.15
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG2	12	3.12
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD13	2	3.12
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD11	9	3.12
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD12	22	3.12
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD11	14	3.11
(3,15)	1:36:A:ILE:HG21	1:38:A:MET:HB2	5	3.09
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD13	4	3.08
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD11	8	3.08
(2,569)	1:30:A:ILE:HD12	1:37:A:ASP:HB3	2	3.07
(1,569)	1:30:A:ILE:HD12	1:37:A:ASP:HB3	2	3.07
(2,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB2	14	3.06
(1,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB2	14	3.06
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG23	6	3.05
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	15	3.05
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	6	3.05
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	6	3.05
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG23	1	3.03
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG23	5	3.03
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD11	10	3.03
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB3	2	3.03
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB3	2	3.03
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD2	21	3.02
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG21	20	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG21	6	3.0
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD13	16	2.99
(3,15)	1:36:A:ILE:HG23	1:38:A:MET:HB2	22	2.99
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG22	21	2.97
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	15	2.97
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	21	2.96
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD2	5	2.95
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	9	2.95
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD11	10	2.94
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB1	10	2.94
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD11	10	2.94
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB1	10	2.94
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG22	24	2.93
(3,15)	1:36:A:ILE:HG22	1:38:A:MET:HB3	15	2.93
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE1	7	2.92
(3,49)	1:25:A:LYS:HD3	1:43:A:PHE:HD2	14	2.91
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG2	15	2.91
(3,15)	1:36:A:ILE:HG22	1:38:A:MET:HB3	12	2.91
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	5	2.91
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	5	2.91
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG23	7	2.9
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	1	2.9
(2,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB3	16	2.9
(1,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB3	16	2.9
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	16	2.89
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	16	2.89
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG2	7	2.88
(2,530)	1:30:A:ILE:HG22	1:9:A:THR:HG22	18	2.88
(1,530)	1:30:A:ILE:HG22	1:9:A:THR:HG22	18	2.88
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG21	16	2.87
(3,15)	1:36:A:ILE:HG23	1:38:A:MET:HB3	2	2.87
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB3	8	2.87
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB3	8	2.87
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG22	16	2.86
(3,15)	1:36:A:ILE:HG23	1:38:A:MET:HB3	21	2.86
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB2	4	2.86
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB2	4	2.86
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG22	14	2.85
(3,15)	1:36:A:ILE:HG21	1:38:A:MET:HB3	14	2.85
(2,530)	1:30:A:ILE:HG21	1:9:A:THR:HG21	22	2.85
(1,530)	1:30:A:ILE:HG21	1:9:A:THR:HG21	22	2.85
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD13	24	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,71)	1:36:A:ILE:HG21	1:43:A:PHE:HD2	14	2.83
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD11	20	2.83
(3,15)	1:36:A:ILE:HG22	1:38:A:MET:HB2	10	2.83
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	19	2.83
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB3	14	2.83
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	3	2.83
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	19	2.83
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB3	14	2.83
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	3	2.83
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB2	17	2.82
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB2	17	2.82
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG23	16	2.8
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	7	2.8
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	7	2.8
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE2	14	2.79
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	5	2.79
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB2	3	2.79
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	5	2.79
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB2	3	2.79
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG21	3	2.78
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB3	5	2.78
(2,530)	1:30:A:ILE:HG21	1:9:A:THR:HG23	16	2.78
(1,530)	1:30:A:ILE:HG21	1:9:A:THR:HG23	16	2.78
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG21	23	2.77
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	19	2.77
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	19	2.77
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD12	10	2.76
(3,15)	1:36:A:ILE:HG22	1:38:A:MET:HB3	18	2.76
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB2	22	2.76
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB2	22	2.76
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	15	2.75
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG23	24	2.74
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG3	24	2.74
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	3	2.74
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	3	2.74
(3,71)	1:36:A:ILE:HG22	1:43:A:PHE:HD2	12	2.73
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	19	2.73
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	13	2.73
(3,92)	1:36:A:ILE:HG21	1:38:A:MET:HG3	17	2.72
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD11	20	2.72
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	22	2.72
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	22	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG21	24	2.71
(2,530)	1:30:A:ILE:HG22	1:9:A:THR:HG23	19	2.71
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	6	2.71
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	8	2.71
(1,530)	1:30:A:ILE:HG22	1:9:A:THR:HG23	19	2.71
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	6	2.71
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	8	2.71
(2,569)	1:30:A:ILE:HD12	1:37:A:ASP:HB3	10	2.7
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB3	18	2.7
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	23	2.7
(1,569)	1:30:A:ILE:HD12	1:37:A:ASP:HB3	10	2.7
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB3	18	2.7
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	23	2.7
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG23	6	2.69
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD13	6	2.69
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	6	2.67
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	6	2.67
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB2	22	2.66
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB2	22	2.66
(2,530)	1:30:A:ILE:HG21	1:9:A:THR:HG21	4	2.64
(2,530)	1:30:A:ILE:HG23	1:9:A:THR:HG21	6	2.64
(1,530)	1:30:A:ILE:HG21	1:9:A:THR:HG21	4	2.64
(1,530)	1:30:A:ILE:HG23	1:9:A:THR:HG21	6	2.64
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG23	3	2.63
(2,530)	1:30:A:ILE:HG23	1:9:A:THR:HG23	2	2.63
(2,530)	1:30:A:ILE:HG23	1:9:A:THR:HG23	10	2.63
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	10	2.63
(1,530)	1:30:A:ILE:HG23	1:9:A:THR:HG23	2	2.63
(1,530)	1:30:A:ILE:HG23	1:9:A:THR:HG23	10	2.63
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	10	2.63
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG22	20	2.62
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD11	18	2.62
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE2	11	2.62
(2,569)	1:30:A:ILE:HD13	1:37:A:ASP:HB3	24	2.62
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB1	13	2.62
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB2	14	2.62
(1,569)	1:30:A:ILE:HD13	1:37:A:ASP:HB3	24	2.62
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB1	13	2.62
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB2	14	2.62
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB2	4	2.61
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB2	4	2.61
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG3	19	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB2	22	2.6
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG3	19	2.6
(1,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB2	22	2.6
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG23	20	2.59
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	16	2.59
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	16	2.59
(3,92)	1:36:A:ILE:HG21	1:38:A:MET:HG2	24	2.58
(3,91)	1:36:A:ILE:HD13	1:38:A:MET:HG3	22	2.58
(2,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	12	2.58
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	2	2.58
(1,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	12	2.58
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	2	2.58
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG23	12	2.57
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	6	2.57
(3,71)	1:36:A:ILE:HG23	1:43:A:PHE:HD1	22	2.56
(2,569)	1:30:A:ILE:HD13	1:37:A:ASP:HB3	20	2.56
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	7	2.56
(1,569)	1:30:A:ILE:HD13	1:37:A:ASP:HB3	20	2.56
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	7	2.56
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG3	17	2.55
(2,530)	1:30:A:ILE:HG21	1:9:A:THR:HG21	8	2.55
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG3	17	2.55
(1,530)	1:30:A:ILE:HG21	1:9:A:THR:HG21	8	2.55
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG22	9	2.54
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	17	2.54
(3,71)	1:36:A:ILE:HG21	1:43:A:PHE:HD1	4	2.53
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG3	8	2.53
(2,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD1	19	2.53
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	24	2.53
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	10	2.53
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG3	8	2.53
(1,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD1	19	2.53
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	24	2.53
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	10	2.53
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD2	19	2.52
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	18	2.52
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB2	10	2.51
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	13	2.51
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB2	10	2.51
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	13	2.51
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	10	2.5
(2,569)	1:30:A:ILE:HD12	1:37:A:ASP:HB3	4	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:30:A:ILE:HD12	1:37:A:ASP:HB3	4	2.5
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	22	2.49
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG23	13	2.49
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD12	2	2.49
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD12	4	2.49
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD13	18	2.49
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD11	22	2.49
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	17	2.49
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	19	2.49
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	17	2.49
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	19	2.49
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	4	2.48
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD13	10	2.48
(2,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD1	7	2.48
(2,541)	1:30:A:ILE:HD11	1:10:A:TYR:HD2	13	2.48
(2,530)	1:30:A:ILE:HG22	1:9:A:THR:HG21	20	2.48
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	7	2.48
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB3	1	2.48
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB3	5	2.48
(1,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD1	7	2.48
(1,541)	1:30:A:ILE:HD11	1:10:A:TYR:HD2	13	2.48
(1,530)	1:30:A:ILE:HG22	1:9:A:THR:HG21	20	2.48
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	7	2.48
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB3	1	2.48
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB3	5	2.48
(3,92)	1:36:A:ILE:HG22	1:38:A:MET:HG2	13	2.47
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG22	13	2.47
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	14	2.47
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG2	19	2.47
(2,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD2	2	2.47
(2,530)	1:30:A:ILE:HG22	1:9:A:THR:HG22	13	2.47
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG21	9	2.47
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	8	2.47
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	9	2.47
(1,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD2	2	2.47
(1,530)	1:30:A:ILE:HG22	1:9:A:THR:HG22	13	2.47
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG21	9	2.47
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	8	2.47
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	9	2.47
(3,92)	1:36:A:ILE:HG23	1:38:A:MET:HG3	8	2.46
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	2	2.46
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	12	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG23	10	2.46
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD13	12	2.46
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	20	2.46
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD13	24	2.46
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG23	23	2.46
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG23	23	2.46
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD13	14	2.45
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	14	2.45
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE2	13	2.45
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG2	17	2.45
(2,530)	1:30:A:ILE:HG21	1:9:A:THR:HG23	14	2.45
(2,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	5	2.45
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	16	2.45
(1,530)	1:30:A:ILE:HG21	1:9:A:THR:HG23	14	2.45
(1,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	5	2.45
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	16	2.45
(3,92)	1:36:A:ILE:HG23	1:38:A:MET:HG2	20	2.44
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD13	8	2.44
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE3	15	2.44
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG2	1	2.44
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB2	10	2.44
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	4	2.44
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	4	2.44
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB2	10	2.44
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	4	2.44
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	4	2.44
(3,92)	1:36:A:ILE:HG22	1:38:A:MET:HG2	16	2.43
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	7	2.43
(2,530)	1:30:A:ILE:HG21	1:9:A:THR:HG21	3	2.43
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	24	2.43
(1,530)	1:30:A:ILE:HG21	1:9:A:THR:HG21	3	2.43
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	24	2.43
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	8	2.42
(3,71)	1:36:A:ILE:HG22	1:43:A:PHE:HD1	10	2.42
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	5	2.42
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	9	2.42
(2,569)	1:30:A:ILE:HD13	1:37:A:ASP:HB2	6	2.42
(1,569)	1:30:A:ILE:HD13	1:37:A:ASP:HB2	6	2.42
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD1	3	2.41
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD2	13	2.41
(2,590)	1:16:A:ARG:HG3	1:7:A:TYR:HE2	7	2.41
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	10	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD2	13	2.41
(1,590)	1:16:A:ARG:HG3	1:7:A:TYR:HE2	7	2.41
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	10	2.41
(3,91)	1:36:A:ILE:HD11	1:38:A:MET:HG2	9	2.4
(2,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	7	2.4
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	14	2.4
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	15	2.4
(1,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	7	2.4
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	14	2.4
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	15	2.4
(3,92)	1:36:A:ILE:HG23	1:38:A:MET:HG2	3	2.39
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	15	2.39
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB3	1	2.39
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG2	21	2.39
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB3	23	2.39
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB3	23	2.39
(2,530)	1:30:A:ILE:HG22	1:9:A:THR:HG21	15	2.38
(2,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	1	2.38
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	13	2.38
(1,530)	1:30:A:ILE:HG22	1:9:A:THR:HG21	15	2.38
(1,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	1	2.38
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	13	2.38
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD13	16	2.37
(2,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD2	3	2.37
(2,530)	1:30:A:ILE:HG23	1:9:A:THR:HG23	21	2.37
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	21	2.37
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	11	2.37
(1,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD2	3	2.37
(1,530)	1:30:A:ILE:HG23	1:9:A:THR:HG23	21	2.37
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	21	2.37
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	11	2.37
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	24	2.36
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD11	2	2.36
(2,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD1	17	2.36
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	23	2.36
(1,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD1	17	2.36
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	23	2.36
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	11	2.35
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD13	6	2.35
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	21	2.35
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	20	2.35
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	21	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	20	2.35
(2,632)	1:29:A:VAL:HG13	1:5:A:ARG:HG3	20	2.34
(2,530)	1:30:A:ILE:HG21	1:9:A:THR:HG21	5	2.34
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	24	2.34
(1,632)	1:29:A:VAL:HG13	1:5:A:ARG:HG3	20	2.34
(1,530)	1:30:A:ILE:HG21	1:9:A:THR:HG21	5	2.34
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	24	2.34
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD11	4	2.33
(2,530)	1:30:A:ILE:HG21	1:9:A:THR:HG23	17	2.33
(2,518)	1:15:A:ILE:HG23	1:12:A:PRO:HG2	24	2.33
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	6	2.33
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	19	2.33
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	8	2.33
(1,530)	1:30:A:ILE:HG21	1:9:A:THR:HG23	17	2.33
(1,518)	1:15:A:ILE:HG23	1:12:A:PRO:HG2	24	2.33
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	6	2.33
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	19	2.33
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	8	2.33
(3,15)	1:36:A:ILE:HG23	1:38:A:MET:HB2	3	2.32
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG23	15	2.32
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	6	2.32
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	22	2.32
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG23	15	2.32
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	6	2.32
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	22	2.32
(3,15)	1:36:A:ILE:HG21	1:38:A:MET:HB2	7	2.31
(2,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD1	10	2.31
(2,530)	1:30:A:ILE:HG22	1:9:A:THR:HG23	11	2.31
(2,530)	1:30:A:ILE:HG21	1:9:A:THR:HG22	23	2.31
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	4	2.31
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	19	2.31
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	22	2.31
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	19	2.31
(2,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB3	2	2.31
(2,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB3	20	2.31
(1,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD1	10	2.31
(1,530)	1:30:A:ILE:HG22	1:9:A:THR:HG23	11	2.31
(1,530)	1:30:A:ILE:HG21	1:9:A:THR:HG22	23	2.31
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	4	2.31
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	19	2.31
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	22	2.31
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	19	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB3	2	2.31
(1,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB3	20	2.31
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG21	8	2.3
(3,59)	1:39:A:CYS:H	1:36:A:ILE:HG22	19	2.3
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	20	2.3
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	12	2.3
(2,530)	1:30:A:ILE:HG21	1:9:A:THR:HG23	24	2.3
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	6	2.3
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	22	2.3
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	23	2.3
(2,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB3	6	2.3
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	20	2.3
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	12	2.3
(1,530)	1:30:A:ILE:HG21	1:9:A:THR:HG23	24	2.3
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	6	2.3
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	22	2.3
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	23	2.3
(1,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB3	6	2.3
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	10	2.29
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	3	2.29
(2,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	9	2.29
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	2	2.29
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	10	2.29
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	20	2.29
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	1	2.29
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	3	2.29
(1,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	9	2.29
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	2	2.29
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	10	2.29
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	20	2.29
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	1	2.29
(3,92)	1:36:A:ILE:HG21	1:38:A:MET:HG2	5	2.28
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD11	20	2.28
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB3	19	2.28
(2,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD1	5	2.28
(2,530)	1:30:A:ILE:HG23	1:9:A:THR:HG22	1	2.28
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	3	2.28
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	13	2.28
(2,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD1	8	2.28
(2,46)	1:6:A:THR:HG21	1:7:A:TYR:HE2	6	2.28
(1,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD1	5	2.28
(1,530)	1:30:A:ILE:HG23	1:9:A:THR:HG22	1	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	3	2.28
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	13	2.28
(1,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD1	8	2.28
(1,46)	1:6:A:THR:HG21	1:7:A:TYR:HE2	6	2.28
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	8	2.27
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	3	2.27
(2,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD2	14	2.27
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	17	2.27
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	12	2.27
(1,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD2	14	2.27
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	17	2.27
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	12	2.27
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG22	4	2.26
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	17	2.26
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	5	2.26
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	17	2.26
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	5	2.26
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE2	21	2.25
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	16	2.25
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	23	2.25
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	14	2.25
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	18	2.25
(2,541)	1:30:A:ILE:HD11	1:10:A:TYR:HD2	20	2.25
(2,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	16	2.25
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	15	2.25
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	2	2.25
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	8	2.25
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	6	2.25
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	23	2.25
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	14	2.25
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	18	2.25
(1,541)	1:30:A:ILE:HD11	1:10:A:TYR:HD2	20	2.25
(1,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	16	2.25
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	15	2.25
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	2	2.25
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	8	2.25
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	6	2.25
(3,92)	1:36:A:ILE:HG22	1:38:A:MET:HG2	19	2.24
(2,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD2	1	2.24
(2,541)	1:30:A:ILE:HD11	1:10:A:TYR:HD2	6	2.24
(2,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD2	15	2.24
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD3	1	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB2	20	2.24
(1,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD2	1	2.24
(1,541)	1:30:A:ILE:HD11	1:10:A:TYR:HD2	6	2.24
(1,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD2	15	2.24
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD3	1	2.24
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB2	20	2.24
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	1	2.23
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE2	23	2.23
(2,590)	1:16:A:ARG:HG3	1:7:A:TYR:HE2	15	2.23
(2,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB3	17	2.23
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	13	2.23
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB2	22	2.23
(2,541)	1:30:A:ILE:HD11	1:10:A:TYR:HD1	24	2.23
(2,530)	1:30:A:ILE:HG23	1:9:A:THR:HG21	12	2.23
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD3	3	2.23
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	4	2.23
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	12	2.23
(1,590)	1:16:A:ARG:HG3	1:7:A:TYR:HE2	15	2.23
(1,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB3	17	2.23
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	13	2.23
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB2	22	2.23
(1,541)	1:30:A:ILE:HD11	1:10:A:TYR:HD1	24	2.23
(1,530)	1:30:A:ILE:HG23	1:9:A:THR:HG21	12	2.23
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD3	3	2.23
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	4	2.23
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	12	2.23
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG23	6	2.22
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG3	11	2.22
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG22	14	2.22
(2,518)	1:15:A:ILE:HG23	1:12:A:PRO:HG2	21	2.22
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	2	2.22
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	12	2.22
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	11	2.22
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	20	2.22
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB2	24	2.22
(1,518)	1:15:A:ILE:HG23	1:12:A:PRO:HG2	21	2.22
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	2	2.22
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	12	2.22
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	11	2.22
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	20	2.22
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB2	24	2.22
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD12	8	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG21	8	2.21
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG23	12	2.21
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	19	2.21
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD3	16	2.21
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	18	2.21
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	23	2.21
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	9	2.21
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB2	7	2.21
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	19	2.21
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD3	16	2.21
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	18	2.21
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	23	2.21
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	9	2.21
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB2	7	2.21
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	13	2.2
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG21	2	2.2
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	8	2.2
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	1	2.2
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	1	2.2
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	8	2.2
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	1	2.2
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	1	2.2
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG21	22	2.19
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE2	21	2.19
(2,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB3	7	2.19
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG22	15	2.19
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	14	2.19
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	23	2.19
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB2	12	2.19
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB2	19	2.19
(2,280)	1:6:A:THR:HG23	1:7:A:TYR:HD2	6	2.19
(2,280)	1:6:A:THR:HG21	1:7:A:TYR:HD2	12	2.19
(2,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB3	18	2.19
(1,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB3	7	2.19
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG22	15	2.19
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	14	2.19
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	23	2.19
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB2	12	2.19
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB2	19	2.19
(1,280)	1:6:A:THR:HG23	1:7:A:TYR:HD2	6	2.19
(1,280)	1:6:A:THR:HG21	1:7:A:TYR:HD2	12	2.19
(1,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB3	18	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	3	2.18
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	13	2.18
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB3	21	2.18
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	13	2.18
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB3	21	2.18
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG23	18	2.17
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	15	2.17
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	19	2.17
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	15	2.17
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	15	2.17
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	19	2.17
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	15	2.17
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD12	16	2.16
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB2	7	2.16
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG23	10	2.16
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG23	9	2.16
(2,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB3	3	2.16
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	19	2.16
(2,518)	1:15:A:ILE:HG23	1:12:A:PRO:HG2	17	2.16
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	14	2.16
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	7	2.16
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	8	2.16
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG23	9	2.16
(1,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB3	3	2.16
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	19	2.16
(1,518)	1:15:A:ILE:HG23	1:12:A:PRO:HG2	17	2.16
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	14	2.16
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	7	2.16
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	8	2.16
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG22	14	2.15
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG22	4	2.15
(2,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD2	13	2.15
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	17	2.15
(2,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	15	2.15
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	9	2.15
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG23	23	2.15
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	4	2.15
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	12	2.15
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD1	14	2.15
(1,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD2	13	2.15
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	17	2.15
(1,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	15	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	9	2.15
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG23	23	2.15
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	4	2.15
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	12	2.15
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD1	14	2.15
(2,530)	1:30:A:ILE:HG22	1:9:A:THR:HG23	7	2.14
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	15	2.14
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG3	24	2.14
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	24	2.14
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	22	2.14
(1,530)	1:30:A:ILE:HG22	1:9:A:THR:HG23	7	2.14
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	15	2.14
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG3	24	2.14
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	24	2.14
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	22	2.14
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD12	12	2.13
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD12	24	2.13
(3,15)	1:36:A:ILE:HG22	1:38:A:MET:HB2	23	2.13
(2,590)	1:16:A:ARG:HG3	1:7:A:TYR:HE2	19	2.13
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	5	2.13
(2,530)	1:30:A:ILE:HG21	1:9:A:THR:HG21	9	2.13
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	5	2.13
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	23	2.13
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	18	2.13
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	18	2.13
(2,46)	1:6:A:THR:HG22	1:7:A:TYR:HE1	12	2.13
(1,590)	1:16:A:ARG:HG3	1:7:A:TYR:HE2	19	2.13
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	5	2.13
(1,530)	1:30:A:ILE:HG21	1:9:A:THR:HG21	9	2.13
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	5	2.13
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	23	2.13
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	18	2.13
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	18	2.13
(1,46)	1:6:A:THR:HG22	1:7:A:TYR:HE1	12	2.13
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD13	24	2.12
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG21	22	2.12
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG23	10	2.12
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD12	6	2.12
(2,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD2	23	2.12
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	5	2.12
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	11	2.12
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	6	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	23	2.12
(2,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB2	10	2.12
(2,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD2	7	2.12
(1,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD2	23	2.12
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	5	2.12
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	11	2.12
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	6	2.12
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	23	2.12
(1,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB2	10	2.12
(1,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD2	7	2.12
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG22	6	2.11
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	3	2.11
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	9	2.11
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	13	2.11
(2,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD1	22	2.11
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	12	2.11
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	9	2.11
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	22	2.11
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	4	2.11
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	16	2.11
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD1	10	2.11
(2,50)	1:9:A:THR:HG23	1:10:A:TYR:HE2	11	2.11
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	3	2.11
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	9	2.11
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	13	2.11
(1,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD1	22	2.11
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	12	2.11
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	9	2.11
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	22	2.11
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	4	2.11
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	16	2.11
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD1	10	2.11
(1,50)	1:9:A:THR:HG23	1:10:A:TYR:HE2	11	2.11
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD1	17	2.1
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD13	16	2.1
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD13	20	2.1
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD12	8	2.1
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	20	2.1
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	7	2.1
(2,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD1	4	2.1
(2,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	4	2.1
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	20	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	6	2.1
(2,313)	1:41:A:SER:HB2	1:10:A:TYR:HE1	19	2.1
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	7	2.1
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	20	2.1
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	20	2.1
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	7	2.1
(1,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD1	4	2.1
(1,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	4	2.1
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	20	2.1
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	6	2.1
(1,313)	1:41:A:SER:HB2	1:10:A:TYR:HE1	19	2.1
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	7	2.1
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	20	2.1
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG22	11	2.09
(2,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD2	12	2.09
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	6	2.09
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	11	2.09
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	18	2.09
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	21	2.09
(2,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD1	1	2.09
(1,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD2	12	2.09
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	6	2.09
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	11	2.09
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	18	2.09
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	21	2.09
(1,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD1	1	2.09
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG21	2	2.08
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	3	2.08
(2,541)	1:30:A:ILE:HD11	1:10:A:TYR:HD1	21	2.08
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	3	2.08
(1,541)	1:30:A:ILE:HD11	1:10:A:TYR:HD1	21	2.08
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	3	2.08
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB3	21	2.07
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG22	16	2.07
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	10	2.07
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	22	2.07
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	20	2.07
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	23	2.07
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	7	2.07
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB3	6	2.07
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	23	2.07
(2,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE1	7	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE1	17	2.07
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD1	4	2.07
(2,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD2	24	2.07
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	10	2.07
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	22	2.07
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	20	2.07
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	23	2.07
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	7	2.07
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB3	6	2.07
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	23	2.07
(1,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE1	7	2.07
(1,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE1	17	2.07
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD1	4	2.07
(1,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD2	24	2.07
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE1	17	2.06
(3,71)	1:36:A:ILE:HG23	1:43:A:PHE:HD2	8	2.06
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG23	12	2.06
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG23	19	2.06
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG23	24	2.06
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE2	9	2.06
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG23	7	2.06
(2,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	1	2.06
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	9	2.06
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	12	2.06
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	21	2.06
(2,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE2	14	2.06
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG23	7	2.06
(1,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	1	2.06
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	9	2.06
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	12	2.06
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	21	2.06
(1,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE2	14	2.06
(3,91)	1:36:A:ILE:HD11	1:38:A:MET:HG3	10	2.05
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	23	2.05
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE2	13	2.05
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	10	2.05
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	21	2.05
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	23	2.05
(2,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	6	2.05
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD11	10	2.05
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	11	2.05
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	8	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB2	16	2.05
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	14	2.05
(2,102)	1:30:A:ILE:HD11	1:10:A:TYR:HE2	13	2.05
(2,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE1	22	2.05
(2,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD1	6	2.05
(2,50)	1:9:A:THR:HG23	1:10:A:TYR:HE2	16	2.05
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	10	2.05
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	21	2.05
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	23	2.05
(1,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	6	2.05
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD11	10	2.05
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	11	2.05
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	8	2.05
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB2	16	2.05
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	14	2.05
(1,102)	1:30:A:ILE:HD11	1:10:A:TYR:HE2	13	2.05
(1,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE1	22	2.05
(1,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD1	6	2.05
(1,50)	1:9:A:THR:HG23	1:10:A:TYR:HE2	16	2.05
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD11	4	2.04
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	17	2.04
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	12	2.04
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	24	2.04
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	18	2.04
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB3	24	2.04
(2,518)	1:15:A:ILE:HG23	1:12:A:PRO:HG2	3	2.04
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG22	5	2.04
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	11	2.04
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	8	2.04
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	12	2.04
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	22	2.04
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	17	2.04
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	12	2.04
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	24	2.04
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	18	2.04
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB3	24	2.04
(1,518)	1:15:A:ILE:HG23	1:12:A:PRO:HG2	3	2.04
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG22	5	2.04
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	11	2.04
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	8	2.04
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	12	2.04
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	22	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	14	2.03
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG23	1	2.03
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	7	2.03
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	12	2.03
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG2	5	2.03
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	18	2.03
(2,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE2	2	2.03
(2,50)	1:9:A:THR:HG21	1:10:A:TYR:HE1	4	2.03
(1,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	14	2.03
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG23	1	2.03
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	7	2.03
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	12	2.03
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG2	5	2.03
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	18	2.03
(1,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE2	2	2.03
(1,50)	1:9:A:THR:HG21	1:10:A:TYR:HE1	4	2.03
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG21	8	2.02
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD13	22	2.02
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD12	7	2.02
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG22	20	2.02
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	16	2.02
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB2	3	2.02
(2,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	18	2.02
(2,473)	1:30:A:ILE:HG23	1:34:A:HIS:HB3	1	2.02
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG23	13	2.02
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG21	17	2.02
(2,102)	1:30:A:ILE:HD11	1:10:A:TYR:HE2	6	2.02
(2,50)	1:9:A:THR:HG23	1:10:A:TYR:HE1	21	2.02
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	16	2.02
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB2	3	2.02
(1,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	18	2.02
(1,473)	1:30:A:ILE:HG23	1:34:A:HIS:HB3	1	2.02
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG23	13	2.02
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG21	17	2.02
(1,102)	1:30:A:ILE:HD11	1:10:A:TYR:HE2	6	2.02
(1,50)	1:9:A:THR:HG23	1:10:A:TYR:HE1	21	2.02
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	7	2.01
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG22	6	2.01
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE2	1	2.01
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	8	2.01
(2,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB2	15	2.01
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	23	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB2	14	2.01
(2,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD1	8	2.01
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	2	2.01
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	16	2.01
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	15	2.01
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	2	2.01
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	9	2.01
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	17	2.01
(2,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE1	19	2.01
(2,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD2	19	2.01
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	8	2.01
(1,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB2	15	2.01
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	23	2.01
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB2	14	2.01
(1,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD1	8	2.01
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	2	2.01
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	16	2.01
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	15	2.01
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	2	2.01
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	9	2.01
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	17	2.01
(1,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE1	19	2.01
(1,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD2	19	2.01
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	20	2.0
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB2	4	2.0
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	1	2.0
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG21	11	2.0
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	15	2.0
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	1	2.0
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	5	2.0
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD12	12	2.0
(2,50)	1:9:A:THR:HG23	1:10:A:TYR:HE1	17	2.0
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	20	2.0
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB2	4	2.0
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	1	2.0
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG21	11	2.0
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	15	2.0
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	1	2.0
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	5	2.0
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD12	12	2.0
(1,50)	1:9:A:THR:HG23	1:10:A:TYR:HE1	17	2.0
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD13	17	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,8)	1:36:A:ILE:HG21	1:36:A:ILE:HD11	11	1.99
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	23	1.99
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	10	1.99
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG23	1	1.99
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	16	1.99
(2,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD2	16	1.99
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	10	1.99
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	21	1.99
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	5	1.99
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	14	1.99
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	18	1.99
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	7	1.99
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	2	1.99
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	6	1.99
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	24	1.99
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	2	1.99
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	12	1.99
(2,50)	1:9:A:THR:HG23	1:10:A:TYR:HE1	10	1.99
(2,50)	1:9:A:THR:HG21	1:10:A:TYR:HE1	22	1.99
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	23	1.99
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	10	1.99
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG23	1	1.99
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	16	1.99
(1,541)	1:30:A:ILE:HD13	1:10:A:TYR:HD2	16	1.99
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	10	1.99
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	21	1.99
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	5	1.99
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	14	1.99
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	18	1.99
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	7	1.99
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	2	1.99
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	6	1.99
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	24	1.99
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	2	1.99
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	12	1.99
(1,50)	1:9:A:THR:HG23	1:10:A:TYR:HE1	10	1.99
(1,50)	1:9:A:THR:HG21	1:10:A:TYR:HE1	22	1.99
(3,8)	1:36:A:ILE:HG22	1:36:A:ILE:HD13	3	1.98
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE2	5	1.98
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	12	1.98
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	14	1.98
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG23	11	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	24	1.98
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	13	1.98
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	2	1.98
(2,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE1	5	1.98
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	12	1.98
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	14	1.98
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG23	11	1.98
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	24	1.98
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	13	1.98
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	2	1.98
(1,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE1	5	1.98
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	11	1.97
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG22	9	1.97
(3,8)	1:36:A:ILE:HG23	1:36:A:ILE:HD13	23	1.97
(2,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB2	11	1.97
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB2	17	1.97
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	17	1.97
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG3	12	1.97
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	20	1.97
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	13	1.97
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	16	1.97
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	13	1.97
(1,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB2	11	1.97
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB2	17	1.97
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	17	1.97
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG3	12	1.97
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	20	1.97
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	13	1.97
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	16	1.97
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	13	1.97
(3,8)	1:36:A:ILE:HG22	1:36:A:ILE:HD11	7	1.96
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG23	9	1.96
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	11	1.96
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	22	1.96
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	8	1.96
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG22	6	1.96
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG22	20	1.96
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	23	1.96
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	15	1.96
(2,313)	1:41:A:SER:HB3	1:10:A:TYR:HE2	9	1.96
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	20	1.96
(2,50)	1:9:A:THR:HG23	1:10:A:TYR:HE1	7	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG23	9	1.96
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	11	1.96
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	22	1.96
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	8	1.96
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG22	6	1.96
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG22	20	1.96
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	23	1.96
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	15	1.96
(1,313)	1:41:A:SER:HB3	1:10:A:TYR:HE2	9	1.96
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	20	1.96
(1,50)	1:9:A:THR:HG23	1:10:A:TYR:HE1	7	1.96
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD3	21	1.95
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD12	9	1.95
(3,49)	1:25:A:LYS:HD3	1:43:A:PHE:HD1	23	1.95
(3,8)	1:36:A:ILE:HG21	1:36:A:ILE:HD12	15	1.95
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	20	1.95
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	11	1.95
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	21	1.95
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	20	1.95
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB3	9	1.95
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	19	1.95
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	10	1.95
(2,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE2	3	1.95
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	20	1.95
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	11	1.95
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	21	1.95
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	20	1.95
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB3	9	1.95
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	19	1.95
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	10	1.95
(1,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE2	3	1.95
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD12	14	1.94
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	21	1.94
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG22	13	1.94
(3,8)	1:36:A:ILE:HG21	1:36:A:ILE:HD13	13	1.94
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	6	1.94
(2,569)	1:30:A:ILE:HD12	1:37:A:ASP:HB3	1	1.94
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	6	1.94
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	7	1.94
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD3	18	1.94
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	11	1.94
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	18	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	10	1.94
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG22	12	1.94
(2,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG3	8	1.94
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	6	1.94
(1,569)	1:30:A:ILE:HD12	1:37:A:ASP:HB3	1	1.94
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	6	1.94
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	7	1.94
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD3	18	1.94
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	11	1.94
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	18	1.94
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	10	1.94
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG22	12	1.94
(1,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG3	8	1.94
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	23	1.93
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	6	1.93
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB2	6	1.93
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	15	1.93
(2,473)	1:30:A:ILE:HG23	1:34:A:HIS:HB3	7	1.93
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG21	14	1.93
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	1	1.93
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	24	1.93
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	14	1.93
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	6	1.93
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB2	6	1.93
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	15	1.93
(1,473)	1:30:A:ILE:HG23	1:34:A:HIS:HB3	7	1.93
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG21	14	1.93
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	1	1.93
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	24	1.93
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	14	1.93
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	5	1.92
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD12	14	1.92
(3,8)	1:36:A:ILE:HG21	1:36:A:ILE:HD11	19	1.92
(2,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE2	12	1.92
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	13	1.92
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	19	1.92
(2,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD2	11	1.92
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	19	1.92
(2,473)	1:30:A:ILE:HG23	1:34:A:HIS:HB3	11	1.92
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	12	1.92
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	18	1.92
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	4	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	5	1.92
(2,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	22	1.92
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	9	1.92
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	2	1.92
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	3	1.92
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	8	1.92
(1,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE2	12	1.92
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	13	1.92
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	19	1.92
(1,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD2	11	1.92
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	19	1.92
(1,473)	1:30:A:ILE:HG23	1:34:A:HIS:HB3	11	1.92
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	12	1.92
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	18	1.92
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	4	1.92
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	5	1.92
(1,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	22	1.92
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	9	1.92
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	2	1.92
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	3	1.92
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	8	1.92
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	8	1.91
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	14	1.91
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	22	1.91
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	18	1.91
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	5	1.91
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	8	1.91
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	14	1.91
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	22	1.91
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	18	1.91
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	5	1.91
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD13	6	1.9
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	2	1.9
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	14	1.9
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	23	1.9
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	17	1.9
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	11	1.9
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	6	1.9
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	7	1.9
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	23	1.9
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	9	1.9
(2,102)	1:30:A:ILE:HD11	1:10:A:TYR:HE1	24	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD1	9	1.9
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	22	1.9
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	2	1.9
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	14	1.9
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	23	1.9
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	17	1.9
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	11	1.9
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	6	1.9
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	7	1.9
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	23	1.9
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	9	1.9
(1,102)	1:30:A:ILE:HD11	1:10:A:TYR:HE1	24	1.9
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD1	9	1.9
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	22	1.9
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD11	2	1.89
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD11	18	1.89
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB3	23	1.89
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD13	15	1.89
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	7	1.89
(2,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	9	1.89
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	24	1.89
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	9	1.89
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	17	1.89
(2,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB2	23	1.89
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	5	1.89
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	9	1.89
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	18	1.89
(2,518)	1:15:A:ILE:HG23	1:12:A:PRO:HG2	10	1.89
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	12	1.89
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	24	1.89
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	16	1.89
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB2	2	1.89
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	9	1.89
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	7	1.89
(1,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	9	1.89
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	24	1.89
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	9	1.89
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	17	1.89
(1,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB2	23	1.89
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	5	1.89
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	9	1.89
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	18	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	1:15:A:ILE:HG23	1:12:A:PRO:HG2	10	1.89
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	12	1.89
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	24	1.89
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	16	1.89
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB2	2	1.89
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	9	1.89
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD11	3	1.88
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG23	22	1.88
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	2	1.88
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	24	1.88
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	24	1.88
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	10	1.88
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB3	20	1.88
(2,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	5	1.88
(2,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	23	1.88
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	23	1.88
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE2	19	1.88
(2,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB2	4	1.88
(2,50)	1:9:A:THR:HG22	1:10:A:TYR:HE2	1	1.88
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG23	22	1.88
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	2	1.88
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	24	1.88
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	24	1.88
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	10	1.88
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB3	20	1.88
(1,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	5	1.88
(1,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	23	1.88
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	23	1.88
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE2	19	1.88
(1,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB2	4	1.88
(1,50)	1:9:A:THR:HG22	1:10:A:TYR:HE2	1	1.88
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG22	4	1.87
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG22	15	1.87
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD11	23	1.87
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	9	1.87
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD22	16	1.87
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	10	1.87
(2,473)	1:30:A:ILE:HG23	1:34:A:HIS:HB3	21	1.87
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	21	1.87
(2,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE2	17	1.87
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	19	1.87
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	12	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	2	1.87
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	5	1.87
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	21	1.87
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	5	1.87
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	3	1.87
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	5	1.87
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	18	1.87
(2,102)	1:30:A:ILE:HD11	1:10:A:TYR:HE2	20	1.87
(2,46)	1:6:A:THR:HG22	1:7:A:TYR:HE2	14	1.87
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	9	1.87
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD22	16	1.87
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	10	1.87
(1,473)	1:30:A:ILE:HG23	1:34:A:HIS:HB3	21	1.87
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	21	1.87
(1,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE2	17	1.87
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	19	1.87
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	12	1.87
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	2	1.87
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	5	1.87
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	21	1.87
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	5	1.87
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	3	1.87
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	5	1.87
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	18	1.87
(1,102)	1:30:A:ILE:HD11	1:10:A:TYR:HE2	20	1.87
(1,46)	1:6:A:THR:HG22	1:7:A:TYR:HE2	14	1.87
(2,632)	1:29:A:VAL:HG22	1:5:A:ARG:HG3	14	1.86
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	1	1.86
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	6	1.86
(2,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	9	1.86
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	7	1.86
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG3	21	1.86
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG21	7	1.86
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG23	18	1.86
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	7	1.86
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	9	1.86
(2,316)	1:15:A:ILE:HG23	1:17:A:ARG:HG3	18	1.86
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	4	1.86
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	5	1.86
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB3	16	1.86
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	1	1.86
(2,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	9	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,46)	1:6:A:THR:HG22	1:7:A:TYR:HE1	15	1.86
(1,632)	1:29:A:VAL:HG22	1:5:A:ARG:HG3	14	1.86
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	1	1.86
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	6	1.86
(1,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	9	1.86
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	7	1.86
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG3	21	1.86
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG21	7	1.86
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG23	18	1.86
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	7	1.86
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	9	1.86
(1,316)	1:15:A:ILE:HG23	1:17:A:ARG:HG3	18	1.86
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	4	1.86
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	5	1.86
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB3	16	1.86
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	1	1.86
(1,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	9	1.86
(1,46)	1:6:A:THR:HG22	1:7:A:TYR:HE1	15	1.86
(3,91)	1:36:A:ILE:HD11	1:38:A:MET:HG2	20	1.85
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD11	7	1.85
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	4	1.85
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	24	1.85
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG23	7	1.85
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	12	1.85
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	14	1.85
(2,569)	1:30:A:ILE:HD13	1:37:A:ASP:HB3	21	1.85
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	18	1.85
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	19	1.85
(2,316)	1:15:A:ILE:HG23	1:17:A:ARG:HG2	21	1.85
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	16	1.85
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	20	1.85
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	9	1.85
(2,50)	1:9:A:THR:HG23	1:10:A:TYR:HE1	19	1.85
(2,50)	1:9:A:THR:HG21	1:10:A:TYR:HE2	20	1.85
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	4	1.85
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	24	1.85
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG23	7	1.85
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	12	1.85
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	14	1.85
(1,569)	1:30:A:ILE:HD13	1:37:A:ASP:HB3	21	1.85
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	18	1.85
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	19	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:15:A:ILE:HG23	1:17:A:ARG:HG2	21	1.85
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	16	1.85
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	20	1.85
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	9	1.85
(1,50)	1:9:A:THR:HG23	1:10:A:TYR:HE1	19	1.85
(1,50)	1:9:A:THR:HG21	1:10:A:TYR:HE2	20	1.85
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	17	1.84
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE1	7	1.84
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	4	1.84
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	12	1.84
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	19	1.84
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	8	1.84
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	8	1.84
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	9	1.84
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	15	1.84
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	8	1.84
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	10	1.84
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	22	1.84
(2,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB2	22	1.84
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	21	1.84
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	11	1.84
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	13	1.84
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	4	1.84
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	12	1.84
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	19	1.84
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	8	1.84
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	8	1.84
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	9	1.84
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	15	1.84
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	8	1.84
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	10	1.84
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	22	1.84
(1,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB2	22	1.84
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	21	1.84
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	11	1.84
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	13	1.84
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD13	22	1.83
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB3	3	1.83
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	18	1.83
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG3	24	1.83
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	6	1.83
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	5	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG23	3	1.83
(2,569)	1:30:A:ILE:HD13	1:37:A:ASP:HB3	13	1.83
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	4	1.83
(2,560)	1:32:A:ARG:HB3	1:20:A:ASN:HD21	2	1.83
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	13	1.83
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	16	1.83
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	1	1.83
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	5	1.83
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	15	1.83
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	13	1.83
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	23	1.83
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	19	1.83
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	2	1.83
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	12	1.83
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	18	1.83
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG3	24	1.83
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	6	1.83
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	5	1.83
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG23	3	1.83
(1,569)	1:30:A:ILE:HD13	1:37:A:ASP:HB3	13	1.83
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG22	4	1.83
(1,560)	1:32:A:ARG:HB3	1:20:A:ASN:HD21	2	1.83
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	13	1.83
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	16	1.83
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	1	1.83
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	5	1.83
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	15	1.83
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	13	1.83
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	23	1.83
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	19	1.83
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	2	1.83
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	12	1.83
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	20	1.82
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	16	1.82
(2,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	22	1.82
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG3	3	1.82
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	12	1.82
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	19	1.82
(2,362)	1:15:A:ILE:HD13	1:12:A:PRO:HD2	23	1.82
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	8	1.82
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	19	1.82
(2,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE2	11	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,50)	1:9:A:THR:HG21	1:10:A:TYR:HE2	15	1.82
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	20	1.82
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	16	1.82
(1,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	22	1.82
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG3	3	1.82
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	12	1.82
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	19	1.82
(1,362)	1:15:A:ILE:HD13	1:12:A:PRO:HD2	23	1.82
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	8	1.82
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	19	1.82
(1,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE2	11	1.82
(1,50)	1:9:A:THR:HG21	1:10:A:TYR:HE2	15	1.82
(3,92)	1:36:A:ILE:HG23	1:38:A:MET:HG3	7	1.81
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	1	1.81
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	11	1.81
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG23	15	1.81
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	23	1.81
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	18	1.81
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	14	1.81
(2,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	8	1.81
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	20	1.81
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	2	1.81
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	21	1.81
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG21	8	1.81
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	8	1.81
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	6	1.81
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	15	1.81
(2,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG3	5	1.81
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	10	1.81
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG2	3	1.81
(2,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE2	1	1.81
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	1	1.81
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	11	1.81
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG23	15	1.81
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	23	1.81
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	18	1.81
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	14	1.81
(1,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	8	1.81
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	20	1.81
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	2	1.81
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	21	1.81
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG21	8	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	8	1.81
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	6	1.81
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	15	1.81
(1,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG3	5	1.81
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	10	1.81
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG2	3	1.81
(1,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE2	1	1.81
(3,84)	1:26:A:CYS:H	1:43:A:PHE:H	17	1.8
(3,40)	1:25:A:LYS:HD2	1:43:A:PHE:HE2	11	1.8
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	6	1.8
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	14	1.8
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	4	1.8
(2,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB3	5	1.8
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD11	18	1.8
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	20	1.8
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	3	1.8
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	16	1.8
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	12	1.8
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	14	1.8
(2,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE2	23	1.8
(2,50)	1:9:A:THR:HG22	1:10:A:TYR:HE2	23	1.8
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	6	1.8
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	14	1.8
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	4	1.8
(1,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB3	5	1.8
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD11	18	1.8
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	20	1.8
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	3	1.8
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	16	1.8
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	12	1.8
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	14	1.8
(1,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE2	23	1.8
(1,50)	1:9:A:THR:HG22	1:10:A:TYR:HE2	23	1.8
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD11	9	1.79
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	10	1.79
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	8	1.79
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG23	11	1.79
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	13	1.79
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	22	1.79
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	23	1.79
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	9	1.79
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	22	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	15	1.79
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	11	1.79
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	13	1.79
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	18	1.79
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	20	1.79
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	10	1.79
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	6	1.79
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	10	1.79
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	8	1.79
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG23	11	1.79
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	13	1.79
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	22	1.79
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	23	1.79
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	9	1.79
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	22	1.79
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	15	1.79
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	11	1.79
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	13	1.79
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	18	1.79
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	20	1.79
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	10	1.79
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	6	1.79
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB2	14	1.78
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	13	1.78
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	24	1.78
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	3	1.78
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	18	1.78
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD3	24	1.78
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	11	1.78
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	11	1.78
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG22	3	1.78
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG22	4	1.78
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	10	1.78
(2,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE1	11	1.78
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	14	1.78
(2,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	18	1.78
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	2	1.78
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	3	1.78
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	9	1.78
(2,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE1	17	1.78
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	3	1.78
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	13	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	24	1.78
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	3	1.78
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	18	1.78
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD3	24	1.78
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	11	1.78
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	11	1.78
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG22	3	1.78
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG22	4	1.78
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	10	1.78
(1,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE1	11	1.78
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD2	14	1.78
(1,349)	1:6:A:THR:HA	1:7:A:TYR:HD1	18	1.78
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	2	1.78
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	3	1.78
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	9	1.78
(1,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE1	17	1.78
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	3	1.78
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	1	1.77
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG22	4	1.77
(3,15)	1:36:A:ILE:HG22	1:38:A:MET:HB3	9	1.77
(2,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	21	1.77
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	18	1.77
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG23	10	1.77
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	2	1.77
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	9	1.77
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	9	1.77
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	4	1.77
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	7	1.77
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	6	1.77
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	17	1.77
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	16	1.77
(2,50)	1:9:A:THR:HG21	1:10:A:TYR:HE1	5	1.77
(1,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	21	1.77
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	18	1.77
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG23	10	1.77
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG21	2	1.77
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	9	1.77
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	9	1.77
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	4	1.77
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	7	1.77
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	6	1.77
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	17	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	16	1.77
(1,50)	1:9:A:THR:HG21	1:10:A:TYR:HE1	5	1.77
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE2	11	1.76
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	23	1.76
(3,61)	1:25:A:LYS:HG2	1:43:A:PHE:HE2	9	1.76
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD13	11	1.76
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	5	1.76
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG3	22	1.76
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	16	1.76
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	16	1.76
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	22	1.76
(2,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD2	18	1.76
(2,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	13	1.76
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	5	1.76
(2,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	8	1.76
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	17	1.76
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	13	1.76
(2,280)	1:6:A:THR:HG23	1:7:A:TYR:HD2	1	1.76
(2,280)	1:6:A:THR:HG21	1:7:A:TYR:HD2	14	1.76
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	1	1.76
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	12	1.76
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	19	1.76
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	21	1.76
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD1	3	1.76
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	5	1.76
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG3	22	1.76
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	16	1.76
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	16	1.76
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	22	1.76
(1,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD2	18	1.76
(1,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	13	1.76
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	5	1.76
(1,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	8	1.76
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	17	1.76
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	13	1.76
(1,280)	1:6:A:THR:HG23	1:7:A:TYR:HD2	1	1.76
(1,280)	1:6:A:THR:HG21	1:7:A:TYR:HD2	14	1.76
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	1	1.76
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	12	1.76
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	19	1.76
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	21	1.76
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD1	3	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	3	1.75
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG23	1	1.75
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	13	1.75
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	23	1.75
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	11	1.75
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	19	1.75
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	15	1.75
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG21	21	1.75
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG22	22	1.75
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	23	1.75
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	20	1.75
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	13	1.75
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG2	13	1.75
(2,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE2	15	1.75
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	3	1.75
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG23	1	1.75
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	13	1.75
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	23	1.75
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	11	1.75
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	19	1.75
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	15	1.75
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG21	21	1.75
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG22	22	1.75
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	23	1.75
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	20	1.75
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	13	1.75
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG2	13	1.75
(1,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE2	15	1.75
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	9	1.74
(3,36)	1:43:A:PHE:H	1:36:A:ILE:HD12	12	1.74
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	15	1.74
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	4	1.74
(2,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB2	19	1.74
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB3	6	1.74
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	5	1.74
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	13	1.74
(2,280)	1:6:A:THR:HG21	1:7:A:TYR:HD1	15	1.74
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	15	1.74
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	17	1.74
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	7	1.74
(2,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE1	7	1.74
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	23	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	15	1.74
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	4	1.74
(1,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB2	19	1.74
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB3	6	1.74
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	5	1.74
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	13	1.74
(1,280)	1:6:A:THR:HG21	1:7:A:TYR:HD1	15	1.74
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	15	1.74
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	17	1.74
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	7	1.74
(1,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE1	7	1.74
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	23	1.74
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD2	15	1.73
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	16	1.73
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	17	1.73
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	6	1.73
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	12	1.73
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	18	1.73
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	21	1.73
(2,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD2	9	1.73
(2,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	20	1.73
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	4	1.73
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	19	1.73
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	15	1.73
(2,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	7	1.73
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB1	11	1.73
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	1	1.73
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	23	1.73
(2,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD2	17	1.73
(2,50)	1:9:A:THR:HG21	1:10:A:TYR:HE2	3	1.73
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	16	1.73
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	17	1.73
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	6	1.73
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	12	1.73
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	18	1.73
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	21	1.73
(1,541)	1:30:A:ILE:HD12	1:10:A:TYR:HD2	9	1.73
(1,518)	1:15:A:ILE:HG21	1:12:A:PRO:HG2	20	1.73
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	4	1.73
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	19	1.73
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	15	1.73
(1,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	7	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB1	11	1.73
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	1	1.73
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	23	1.73
(1,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD2	17	1.73
(1,50)	1:9:A:THR:HG21	1:10:A:TYR:HE2	3	1.73
(3,88)	1:38:A:MET:HA	1:36:A:ILE:HD12	10	1.72
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	19	1.72
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	13	1.72
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	24	1.72
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	4	1.72
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	6	1.72
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	6	1.72
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG23	17	1.72
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	21	1.72
(2,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	5	1.72
(2,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	19	1.72
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG21	24	1.72
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	16	1.72
(2,280)	1:6:A:THR:HG23	1:7:A:TYR:HD1	17	1.72
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	6	1.72
(2,50)	1:9:A:THR:HG21	1:10:A:TYR:HE2	9	1.72
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	24	1.72
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	4	1.72
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	6	1.72
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	6	1.72
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG23	17	1.72
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	21	1.72
(1,482)	1:34:A:HIS:HE1	1:12:A:PRO:HG3	5	1.72
(1,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	19	1.72
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG21	24	1.72
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	16	1.72
(1,280)	1:6:A:THR:HG23	1:7:A:TYR:HD1	17	1.72
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	6	1.72
(1,50)	1:9:A:THR:HG21	1:10:A:TYR:HE2	9	1.72
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	14	1.71
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	17	1.71
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	5	1.71
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	9	1.71
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	7	1.71
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	2	1.71
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	14	1.71
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	14	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	11	1.71
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	19	1.71
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	21	1.71
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	9	1.71
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	11	1.71
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	2	1.71
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	5	1.71
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	24	1.71
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	2	1.71
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	7	1.71
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	2	1.71
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	14	1.71
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	14	1.71
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	11	1.71
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	19	1.71
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	21	1.71
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	9	1.71
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	11	1.71
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	2	1.71
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	5	1.71
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	24	1.71
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	2	1.71
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	11	1.7
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	13	1.7
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	21	1.7
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG2	19	1.7
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	15	1.7
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	12	1.7
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	17	1.7
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	11	1.7
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	10	1.7
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB2	19	1.7
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	24	1.7
(2,280)	1:6:A:THR:HG21	1:7:A:TYR:HD1	11	1.7
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	3	1.7
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	7	1.7
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	21	1.7
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG2	19	1.7
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	15	1.7
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	12	1.7
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	17	1.7
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	11	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	10	1.7
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB2	19	1.7
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	24	1.7
(1,280)	1:6:A:THR:HG21	1:7:A:TYR:HD1	11	1.7
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	3	1.7
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	7	1.7
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	6	1.69
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG21	2	1.69
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	9	1.69
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	3	1.69
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD2	21	1.69
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	9	1.69
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG3	12	1.69
(2,628)	1:9:A:THR:HG23	1:28:A:LYS:HD3	1	1.69
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	13	1.69
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	2	1.69
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	5	1.69
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	7	1.69
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	13	1.69
(2,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	15	1.69
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	24	1.69
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	12	1.69
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	4	1.69
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	11	1.69
(2,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE2	12	1.69
(2,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD1	16	1.69
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	9	1.69
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG3	12	1.69
(1,628)	1:9:A:THR:HG23	1:28:A:LYS:HD3	1	1.69
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	13	1.69
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	2	1.69
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	5	1.69
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	7	1.69
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	13	1.69
(1,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	15	1.69
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	24	1.69
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	12	1.69
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	4	1.69
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	11	1.69
(1,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE2	12	1.69
(1,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD1	16	1.69
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	11	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	9	1.68
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG2	8	1.68
(2,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	4	1.68
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	21	1.68
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	7	1.68
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	11	1.68
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	2	1.68
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	3	1.68
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG2	5	1.68
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	15	1.68
(2,102)	1:30:A:ILE:HD11	1:10:A:TYR:HE1	21	1.68
(2,50)	1:9:A:THR:HG21	1:10:A:TYR:HE2	12	1.68
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG2	8	1.68
(1,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	4	1.68
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	21	1.68
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	7	1.68
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	11	1.68
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	2	1.68
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	3	1.68
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG2	5	1.68
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	15	1.68
(1,102)	1:30:A:ILE:HD11	1:10:A:TYR:HE1	21	1.68
(1,50)	1:9:A:THR:HG21	1:10:A:TYR:HE2	12	1.68
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	2	1.67
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE2	17	1.67
(2,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD3	6	1.67
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG2	10	1.67
(2,590)	1:16:A:ARG:HG3	1:7:A:TYR:HE1	3	1.67
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	1	1.67
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	7	1.67
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	14	1.67
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	3	1.67
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	10	1.67
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	19	1.67
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	10	1.67
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	17	1.67
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	5	1.67
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	18	1.67
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	3	1.67
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	16	1.67
(2,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE1	1	1.67
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	17	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	3	1.67
(2,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE1	10	1.67
(2,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE2	16	1.67
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	19	1.67
(2,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	21	1.67
(2,50)	1:9:A:THR:HG23	1:10:A:TYR:HE2	14	1.67
(1,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD3	6	1.67
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG2	10	1.67
(1,590)	1:16:A:ARG:HG3	1:7:A:TYR:HE1	3	1.67
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	1	1.67
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	7	1.67
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	14	1.67
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	3	1.67
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	10	1.67
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	19	1.67
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	10	1.67
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	17	1.67
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	5	1.67
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	18	1.67
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	3	1.67
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	16	1.67
(1,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE1	1	1.67
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	17	1.67
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	3	1.67
(1,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE1	10	1.67
(1,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE2	16	1.67
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	19	1.67
(1,77)	1:18:A:LYS:HB2	1:7:A:TYR:HD2	21	1.67
(1,50)	1:9:A:THR:HG23	1:10:A:TYR:HE2	14	1.67
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	10	1.66
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	17	1.66
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	8	1.66
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	20	1.66
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	8	1.66
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	18	1.66
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	16	1.66
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	21	1.66
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	5	1.66
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	7	1.66
(2,50)	1:9:A:THR:HG21	1:10:A:TYR:HE1	8	1.66
(2,46)	1:6:A:THR:HG23	1:7:A:TYR:HE2	13	1.66
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	10	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	17	1.66
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	8	1.66
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	20	1.66
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	8	1.66
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	18	1.66
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	16	1.66
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	21	1.66
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	5	1.66
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	7	1.66
(1,50)	1:9:A:THR:HG21	1:10:A:TYR:HE1	8	1.66
(1,46)	1:6:A:THR:HG23	1:7:A:TYR:HE2	13	1.66
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE2	15	1.65
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	3	1.65
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	5	1.65
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	16	1.65
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	23	1.65
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	9	1.65
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	21	1.65
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	16	1.65
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	12	1.65
(2,564)	1:19:A:ALA:HA	1:29:A:VAL:HG23	22	1.65
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	9	1.65
(2,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	2	1.65
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	13	1.65
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	12	1.65
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	24	1.65
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	16	1.65
(2,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB3	24	1.65
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	5	1.65
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	16	1.65
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG21	23	1.65
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	9	1.65
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	21	1.65
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	16	1.65
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	12	1.65
(1,564)	1:19:A:ALA:HA	1:29:A:VAL:HG23	22	1.65
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	9	1.65
(1,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	2	1.65
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	13	1.65
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	12	1.65
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	24	1.65
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	16	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB3	24	1.65
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	21	1.64
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB2	22	1.64
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD2	17	1.64
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG2	1	1.64
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	7	1.64
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	1	1.64
(2,580)	1:10:A:TYR:HB2	1:10:A:TYR:HE2	18	1.64
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	8	1.64
(2,474)	1:30:A:ILE:HG22	1:23:A:CYS:HB2	10	1.64
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	11	1.64
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	3	1.64
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	14	1.64
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	7	1.64
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	14	1.64
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD13	18	1.64
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG2	1	1.64
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	7	1.64
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	1	1.64
(1,580)	1:10:A:TYR:HB2	1:10:A:TYR:HE2	18	1.64
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	8	1.64
(1,474)	1:30:A:ILE:HG22	1:23:A:CYS:HB2	10	1.64
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	11	1.64
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	3	1.64
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	14	1.64
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	7	1.64
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	14	1.64
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD13	18	1.64
(3,92)	1:36:A:ILE:HG23	1:38:A:MET:HG2	6	1.63
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	24	1.63
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	11	1.63
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	15	1.63
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	9	1.63
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	9	1.63
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	19	1.63
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG23	1	1.63
(2,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	3	1.63
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	5	1.63
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	21	1.63
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	5	1.63
(2,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	18	1.63
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	17	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB1	18	1.63
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	7	1.63
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	12	1.63
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	14	1.63
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	22	1.63
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	22	1.63
(2,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE2	15	1.63
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	24	1.63
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	11	1.63
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	15	1.63
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	9	1.63
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	9	1.63
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	19	1.63
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG23	1	1.63
(1,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	3	1.63
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	5	1.63
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	21	1.63
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	5	1.63
(1,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	18	1.63
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	17	1.63
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB1	18	1.63
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	7	1.63
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	12	1.63
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	14	1.63
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	22	1.63
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	22	1.63
(1,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE2	15	1.63
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	2	1.62
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	2	1.62
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	5	1.62
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	18	1.62
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	21	1.62
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	21	1.62
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	18	1.62
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	8	1.62
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	12	1.62
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	5	1.62
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	15	1.62
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	19	1.62
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	22	1.62
(2,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB3	9	1.62
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	14	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	24	1.62
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG21	19	1.62
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	12	1.62
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG22	1	1.62
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	16	1.62
(2,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	11	1.62
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	22	1.62
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	15	1.62
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	19	1.62
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	7	1.62
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	22	1.62
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	23	1.62
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG2	8	1.62
(2,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD2	5	1.62
(2,50)	1:9:A:THR:HG22	1:10:A:TYR:HE2	13	1.62
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	21	1.62
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	18	1.62
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	8	1.62
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	12	1.62
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	5	1.62
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	15	1.62
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	19	1.62
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	22	1.62
(1,569)	1:30:A:ILE:HD11	1:37:A:ASP:HB3	9	1.62
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	14	1.62
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	24	1.62
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG21	19	1.62
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	12	1.62
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG22	1	1.62
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	16	1.62
(1,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	11	1.62
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG3	22	1.62
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	15	1.62
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	19	1.62
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	7	1.62
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	22	1.62
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	23	1.62
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG2	8	1.62
(1,77)	1:18:A:LYS:HB3	1:7:A:TYR:HD2	5	1.62
(1,50)	1:9:A:THR:HG22	1:10:A:TYR:HE2	13	1.62
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG21	22	1.61
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB2	9	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD12	11	1.61
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	1	1.61
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	15	1.61
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	20	1.61
(2,579)	1:7:A:TYR:HB3	1:7:A:TYR:HE2	20	1.61
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB2	1	1.61
(2,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	11	1.61
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	16	1.61
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG21	14	1.61
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	22	1.61
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	23	1.61
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	2	1.61
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG21	10	1.61
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	12	1.61
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	19	1.61
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB3	8	1.61
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	8	1.61
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	6	1.61
(2,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB3	13	1.61
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	1	1.61
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD11	6	1.61
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	10	1.61
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	11	1.61
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD11	20	1.61
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG2	18	1.61
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	20	1.61
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	13	1.61
(2,46)	1:6:A:THR:HG21	1:7:A:TYR:HE1	2	1.61
(2,46)	1:6:A:THR:HG21	1:7:A:TYR:HE2	4	1.61
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	15	1.61
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	20	1.61
(1,579)	1:7:A:TYR:HB3	1:7:A:TYR:HE2	20	1.61
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB2	1	1.61
(1,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	11	1.61
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	16	1.61
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG21	14	1.61
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	22	1.61
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	23	1.61
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	2	1.61
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG21	10	1.61
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	12	1.61
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	19	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB3	8	1.61
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	8	1.61
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	6	1.61
(1,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB3	13	1.61
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	1	1.61
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD11	6	1.61
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	10	1.61
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	11	1.61
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD11	20	1.61
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG2	18	1.61
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	20	1.61
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	13	1.61
(1,46)	1:6:A:THR:HG21	1:7:A:TYR:HE1	2	1.61
(1,46)	1:6:A:THR:HG21	1:7:A:TYR:HE2	4	1.61
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	12	1.6
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	14	1.6
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	22	1.6
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG23	21	1.6
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	20	1.6
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE2	1	1.6
(2,579)	1:7:A:TYR:HB3	1:7:A:TYR:HE1	8	1.6
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	12	1.6
(2,579)	1:7:A:TYR:HB3	1:7:A:TYR:HE1	14	1.6
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG23	6	1.6
(2,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	13	1.6
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	19	1.6
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	2	1.6
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	8	1.6
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	20	1.6
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG22	7	1.6
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG22	11	1.6
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	13	1.6
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	3	1.6
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	23	1.6
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	13	1.6
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB3	12	1.6
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	23	1.6
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	5	1.6
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD11	21	1.6
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	23	1.6
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD12	8	1.6
(2,46)	1:6:A:THR:HG21	1:7:A:TYR:HE1	17	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG23	21	1.6
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	20	1.6
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE2	1	1.6
(1,579)	1:7:A:TYR:HB3	1:7:A:TYR:HE1	8	1.6
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	12	1.6
(1,579)	1:7:A:TYR:HB3	1:7:A:TYR:HE1	14	1.6
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG23	6	1.6
(1,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	13	1.6
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	19	1.6
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	2	1.6
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	8	1.6
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	20	1.6
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG22	7	1.6
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG22	11	1.6
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	13	1.6
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	3	1.6
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	23	1.6
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	13	1.6
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB3	12	1.6
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	23	1.6
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	5	1.6
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD11	21	1.6
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	23	1.6
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD12	8	1.6
(1,46)	1:6:A:THR:HG21	1:7:A:TYR:HE1	17	1.6
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG2	21	1.59
(3,91)	1:36:A:ILE:HD13	1:38:A:MET:HG2	24	1.59
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	4	1.59
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	10	1.59
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	13	1.59
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	11	1.59
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	12	1.59
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	24	1.59
(2,579)	1:7:A:TYR:HB3	1:7:A:TYR:HE1	4	1.59
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE2	6	1.59
(2,579)	1:7:A:TYR:HB3	1:7:A:TYR:HE2	7	1.59
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE2	9	1.59
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	11	1.59
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	17	1.59
(2,579)	1:7:A:TYR:HB3	1:7:A:TYR:HE2	18	1.59
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	21	1.59
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD11	20	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	1	1.59
(2,403)	1:9:A:THR:HG23	1:28:A:LYS:HE2	13	1.59
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	5	1.59
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB3	20	1.59
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	11	1.59
(2,316)	1:15:A:ILE:HG22	1:17:A:ARG:HG2	14	1.59
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	20	1.59
(2,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	1	1.59
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	18	1.59
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	16	1.59
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	19	1.59
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	10	1.59
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	9	1.59
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	11	1.59
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	17	1.59
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	22	1.59
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	13	1.59
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	11	1.59
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	12	1.59
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	24	1.59
(1,579)	1:7:A:TYR:HB3	1:7:A:TYR:HE1	4	1.59
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE2	6	1.59
(1,579)	1:7:A:TYR:HB3	1:7:A:TYR:HE2	7	1.59
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE2	9	1.59
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	11	1.59
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	17	1.59
(1,579)	1:7:A:TYR:HB3	1:7:A:TYR:HE2	18	1.59
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	21	1.59
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD11	20	1.59
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	1	1.59
(1,403)	1:9:A:THR:HG23	1:28:A:LYS:HE2	13	1.59
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	5	1.59
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB3	20	1.59
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	11	1.59
(1,316)	1:15:A:ILE:HG22	1:17:A:ARG:HG2	14	1.59
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	20	1.59
(1,301)	1:42:A:CYS:H	1:40:A:GLN:HG2	1	1.59
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	18	1.59
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	16	1.59
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	19	1.59
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	10	1.59
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	9	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	11	1.59
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	17	1.59
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	22	1.59
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	8	1.58
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD12	19	1.58
(2,587)	1:31:A:CYS:H	1:8:A:CYS:H	10	1.58
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	2	1.58
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	13	1.58
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	23	1.58
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	24	1.58
(2,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	19	1.58
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	17	1.58
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	1	1.58
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	16	1.58
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB2	9	1.58
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	18	1.58
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	17	1.58
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD11	18	1.58
(1,587)	1:31:A:CYS:H	1:8:A:CYS:H	10	1.58
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	2	1.58
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	13	1.58
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	23	1.58
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	24	1.58
(1,518)	1:15:A:ILE:HG22	1:12:A:PRO:HG2	19	1.58
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	17	1.58
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	1	1.58
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	16	1.58
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB2	9	1.58
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	18	1.58
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	17	1.58
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD11	18	1.58
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	16	1.57
(3,91)	1:36:A:ILE:HD13	1:38:A:MET:HG3	16	1.57
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE2	10	1.57
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE2	16	1.57
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	21	1.57
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	4	1.57
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	15	1.57
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD13	8	1.57
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	15	1.57
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD12	24	1.57
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	5	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	7	1.57
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	7	1.57
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	1	1.57
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	9	1.57
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	14	1.57
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	15	1.57
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	23	1.57
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	23	1.57
(2,316)	1:15:A:ILE:HG23	1:17:A:ARG:HG2	3	1.57
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	3	1.57
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD11	13	1.57
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD11	24	1.57
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	1	1.57
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	23	1.57
(2,50)	1:9:A:THR:HG23	1:10:A:TYR:HE2	2	1.57
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE2	10	1.57
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE2	16	1.57
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	21	1.57
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	4	1.57
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	15	1.57
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD13	8	1.57
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	15	1.57
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD12	24	1.57
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	5	1.57
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	7	1.57
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	7	1.57
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD1	1	1.57
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	9	1.57
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	14	1.57
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	15	1.57
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	23	1.57
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	23	1.57
(1,316)	1:15:A:ILE:HG23	1:17:A:ARG:HG2	3	1.57
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	3	1.57
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD11	13	1.57
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD11	24	1.57
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	1	1.57
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	23	1.57
(1,50)	1:9:A:THR:HG23	1:10:A:TYR:HE2	2	1.57
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	15	1.56
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	4	1.56
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE2	3	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	5	1.56
(2,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	22	1.56
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	23	1.56
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG23	6	1.56
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	22	1.56
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	6	1.56
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	7	1.56
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	11	1.56
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB3	24	1.56
(2,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	13	1.56
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	22	1.56
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	20	1.56
(2,280)	1:6:A:THR:HG22	1:7:A:TYR:HD1	9	1.56
(2,280)	1:6:A:THR:HG23	1:7:A:TYR:HD2	13	1.56
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	2	1.56
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	15	1.56
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD11	5	1.56
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	11	1.56
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	4	1.56
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE2	3	1.56
(1,579)	1:7:A:TYR:HB2	1:7:A:TYR:HE1	5	1.56
(1,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	22	1.56
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	23	1.56
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG23	6	1.56
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	22	1.56
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	6	1.56
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	7	1.56
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	11	1.56
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB3	24	1.56
(1,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	13	1.56
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	22	1.56
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	20	1.56
(1,280)	1:6:A:THR:HG22	1:7:A:TYR:HD1	9	1.56
(1,280)	1:6:A:THR:HG23	1:7:A:TYR:HD2	13	1.56
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	2	1.56
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	15	1.56
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD11	5	1.56
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	11	1.56
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	6	1.55
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	16	1.55
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB3	10	1.55
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD2	24	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	13	1.55
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD11	21	1.55
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	12	1.55
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	13	1.55
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	21	1.55
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	16	1.55
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	7	1.55
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	3	1.55
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	2	1.55
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	4	1.55
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	17	1.55
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB3	15	1.55
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	22	1.55
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	21	1.55
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	4	1.55
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	19	1.55
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD2	24	1.55
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	13	1.55
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD11	21	1.55
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	12	1.55
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	13	1.55
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	21	1.55
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	16	1.55
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	7	1.55
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	3	1.55
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	2	1.55
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	4	1.55
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	17	1.55
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB3	15	1.55
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	22	1.55
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	21	1.55
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	4	1.55
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	19	1.55
(3,49)	1:25:A:LYS:HD3	1:43:A:PHE:HD2	9	1.54
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	19	1.54
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE1	3	1.54
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	17	1.54
(2,568)	1:19:A:ALA:HB2	1:31:A:CYS:HB3	5	1.54
(2,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	11	1.54
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	22	1.54
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	1	1.54
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	20	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	8	1.54
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB1	15	1.54
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	6	1.54
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	13	1.54
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	15	1.54
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	19	1.54
(2,290)	1:38:A:MET:H	1:21:A:ALA:HB1	15	1.54
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	5	1.54
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	8	1.54
(2,46)	1:6:A:THR:HG23	1:7:A:TYR:HE2	9	1.54
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	17	1.54
(1,568)	1:19:A:ALA:HB2	1:31:A:CYS:HB3	5	1.54
(1,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	11	1.54
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	22	1.54
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	1	1.54
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	20	1.54
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	8	1.54
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB1	15	1.54
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	6	1.54
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	13	1.54
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	15	1.54
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	19	1.54
(1,290)	1:38:A:MET:H	1:21:A:ALA:HB1	15	1.54
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	5	1.54
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	8	1.54
(1,46)	1:6:A:THR:HG23	1:7:A:TYR:HE2	9	1.54
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	24	1.53
(3,70)	1:36:A:ILE:HD12	1:43:A:PHE:HD2	24	1.53
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	17	1.53
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD11	13	1.53
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD2	12	1.53
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	20	1.53
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	2	1.53
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	22	1.53
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	9	1.53
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB3	15	1.53
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	5	1.53
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	14	1.53
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	22	1.53
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	24	1.53
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD11	10	1.53
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	1	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	3	1.53
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	17	1.53
(2,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	4	1.53
(2,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	17	1.53
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	12	1.53
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	17	1.53
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	18	1.53
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB3	2	1.53
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB2	3	1.53
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB3	14	1.53
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	18	1.53
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	8	1.53
(2,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	9	1.53
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	13	1.53
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD2	12	1.53
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	20	1.53
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	2	1.53
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	22	1.53
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	9	1.53
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB3	15	1.53
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	5	1.53
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	14	1.53
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	22	1.53
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	24	1.53
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD11	10	1.53
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	1	1.53
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	3	1.53
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	17	1.53
(1,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	4	1.53
(1,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	17	1.53
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	12	1.53
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	17	1.53
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	18	1.53
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB3	2	1.53
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB2	3	1.53
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB3	14	1.53
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB2	18	1.53
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD13	8	1.53
(1,236)	1:30:A:ILE:HA	1:30:A:ILE:HD12	9	1.53
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	13	1.53
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	20	1.52
(2,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE2	20	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	4	1.52
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	4	1.52
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	15	1.52
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	20	1.52
(2,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	19	1.52
(2,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	6	1.52
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD11	21	1.52
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	14	1.52
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	15	1.52
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	21	1.52
(2,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	2	1.52
(2,48)	1:9:A:THR:H	1:9:A:THR:HG22	7	1.52
(2,48)	1:9:A:THR:H	1:9:A:THR:HG22	17	1.52
(1,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE2	20	1.52
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	4	1.52
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	4	1.52
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	15	1.52
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	20	1.52
(1,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	19	1.52
(1,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	6	1.52
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD11	21	1.52
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	14	1.52
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	15	1.52
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	21	1.52
(1,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	2	1.52
(1,48)	1:9:A:THR:H	1:9:A:THR:HG22	7	1.52
(1,48)	1:9:A:THR:H	1:9:A:THR:HG22	17	1.52
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	4	1.51
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	13	1.51
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG12	1	1.51
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	3	1.51
(2,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	23	1.51
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	21	1.51
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD11	8	1.51
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	7	1.51
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	24	1.51
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG21	12	1.51
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	18	1.51
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	5	1.51
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	3	1.51
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	10	1.51
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB2	5	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB2	6	1.51
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	23	1.51
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	17	1.51
(2,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	16	1.51
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	16	1.51
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB2	1	1.51
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	3	1.51
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	15	1.51
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	16	1.51
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	24	1.51
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG3	9	1.51
(2,48)	1:9:A:THR:H	1:9:A:THR:HG22	8	1.51
(2,48)	1:9:A:THR:H	1:9:A:THR:HG22	10	1.51
(2,48)	1:9:A:THR:H	1:9:A:THR:HG23	12	1.51
(2,48)	1:9:A:THR:H	1:9:A:THR:HG22	16	1.51
(2,48)	1:9:A:THR:H	1:9:A:THR:HG23	24	1.51
(2,46)	1:6:A:THR:HG21	1:7:A:TYR:HE2	1	1.51
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	3	1.51
(1,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	23	1.51
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	21	1.51
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD11	8	1.51
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	7	1.51
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	24	1.51
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG21	12	1.51
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	18	1.51
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	5	1.51
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	3	1.51
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	10	1.51
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB2	5	1.51
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB2	6	1.51
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	23	1.51
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	17	1.51
(1,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	16	1.51
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	16	1.51
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB2	1	1.51
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	3	1.51
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	15	1.51
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	16	1.51
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	24	1.51
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG3	9	1.51
(1,48)	1:9:A:THR:H	1:9:A:THR:HG22	8	1.51
(1,48)	1:9:A:THR:H	1:9:A:THR:HG22	10	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:9:A:THR:H	1:9:A:THR:HG23	12	1.51
(1,48)	1:9:A:THR:H	1:9:A:THR:HG22	16	1.51
(1,48)	1:9:A:THR:H	1:9:A:THR:HG23	24	1.51
(1,46)	1:6:A:THR:HG21	1:7:A:TYR:HE2	1	1.51
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	7	1.5
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB2	9	1.5
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG12	21	1.5
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG22	16	1.5
(2,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE1	9	1.5
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	3	1.5
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	18	1.5
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	1	1.5
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	3	1.5
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD12	18	1.5
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	15	1.5
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	10	1.5
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	10	1.5
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	9	1.5
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	2	1.5
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	18	1.5
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	9	1.5
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	3	1.5
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	11	1.5
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	12	1.5
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	17	1.5
(2,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE1	24	1.5
(2,48)	1:9:A:THR:H	1:9:A:THR:HG23	4	1.5
(2,48)	1:9:A:THR:H	1:9:A:THR:HG21	13	1.5
(2,48)	1:9:A:THR:H	1:9:A:THR:HG21	15	1.5
(2,48)	1:9:A:THR:H	1:9:A:THR:HG21	18	1.5
(2,48)	1:9:A:THR:H	1:9:A:THR:HG23	20	1.5
(1,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE1	9	1.5
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	3	1.5
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	18	1.5
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	1	1.5
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	3	1.5
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD12	18	1.5
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	15	1.5
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	10	1.5
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	10	1.5
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	9	1.5
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	18	1.5
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	9	1.5
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	3	1.5
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	11	1.5
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	12	1.5
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	17	1.5
(1,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE1	24	1.5
(1,48)	1:9:A:THR:H	1:9:A:THR:HG23	4	1.5
(1,48)	1:9:A:THR:H	1:9:A:THR:HG21	13	1.5
(1,48)	1:9:A:THR:H	1:9:A:THR:HG21	15	1.5
(1,48)	1:9:A:THR:H	1:9:A:THR:HG21	18	1.5
(1,48)	1:9:A:THR:H	1:9:A:THR:HG23	20	1.5
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB2	8	1.49
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	12	1.49
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	24	1.49
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	22	1.49
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	24	1.49
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB2	15	1.49
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD11	2	1.49
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	18	1.49
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	14	1.49
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	14	1.49
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	17	1.49
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	2	1.49
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	24	1.49
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG21	16	1.49
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	14	1.49
(2,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	19	1.49
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	1	1.49
(2,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	9	1.49
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	1	1.49
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD11	4	1.49
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	16	1.49
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	18	1.49
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	23	1.49
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	15	1.49
(2,48)	1:9:A:THR:H	1:9:A:THR:HG21	2	1.49
(2,48)	1:9:A:THR:H	1:9:A:THR:HG23	3	1.49
(2,48)	1:9:A:THR:H	1:9:A:THR:HG22	14	1.49
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	24	1.49
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	22	1.49
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	24	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB2	15	1.49
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD11	2	1.49
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	18	1.49
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	14	1.49
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	14	1.49
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	17	1.49
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	2	1.49
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	24	1.49
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG21	16	1.49
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	14	1.49
(1,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	19	1.49
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	1	1.49
(1,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	9	1.49
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	1	1.49
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD11	4	1.49
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	16	1.49
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	18	1.49
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	23	1.49
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	15	1.49
(1,48)	1:9:A:THR:H	1:9:A:THR:HG21	2	1.49
(1,48)	1:9:A:THR:H	1:9:A:THR:HG23	3	1.49
(1,48)	1:9:A:THR:H	1:9:A:THR:HG22	14	1.49
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	18	1.48
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB3	17	1.48
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD11	23	1.48
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG23	24	1.48
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	2	1.48
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	19	1.48
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	22	1.48
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	22	1.48
(2,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	8	1.48
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	6	1.48
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD11	6	1.48
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	7	1.48
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG21	11	1.48
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	1	1.48
(2,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	11	1.48
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	10	1.48
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	24	1.48
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	21	1.48
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	13	1.48
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	18	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	22	1.48
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	24	1.48
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	6	1.48
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	1	1.48
(2,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB2	3	1.48
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG23	13	1.48
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	1	1.48
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	2	1.48
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	3	1.48
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD12	6	1.48
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	14	1.48
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	15	1.48
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD12	16	1.48
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	19	1.48
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD12	21	1.48
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	24	1.48
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	5	1.48
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	13	1.48
(2,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE1	8	1.48
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	2	1.48
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	19	1.48
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	22	1.48
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	22	1.48
(1,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	8	1.48
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	6	1.48
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD11	6	1.48
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	7	1.48
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG21	11	1.48
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	1	1.48
(1,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	11	1.48
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	10	1.48
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	24	1.48
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	21	1.48
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	13	1.48
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	18	1.48
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	22	1.48
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	24	1.48
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	6	1.48
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	1	1.48
(1,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB2	3	1.48
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG23	13	1.48
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	1	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	2	1.48
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	3	1.48
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD12	6	1.48
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	14	1.48
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	15	1.48
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD12	16	1.48
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	19	1.48
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD12	21	1.48
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	24	1.48
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	5	1.48
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	13	1.48
(1,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE1	8	1.48
(3,61)	1:25:A:LYS:HG2	1:43:A:PHE:HE1	7	1.47
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	6	1.47
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG12	5	1.47
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG22	6	1.47
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	16	1.47
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	10	1.47
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	6	1.47
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	5	1.47
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	6	1.47
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	7	1.47
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	13	1.47
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	24	1.47
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	24	1.47
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	20	1.47
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD11	4	1.47
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	18	1.47
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	20	1.47
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	2	1.47
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	16	1.47
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	4	1.47
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	17	1.47
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	19	1.47
(2,316)	1:15:A:ILE:HG22	1:17:A:ARG:HG3	17	1.47
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	12	1.47
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	14	1.47
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	4	1.47
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	16	1.47
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	21	1.47
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	10	1.47
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	4	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	7	1.47
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	9	1.47
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	11	1.47
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	12	1.47
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	18	1.47
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	20	1.47
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	22	1.47
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	9	1.47
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	17	1.47
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	7	1.47
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	1	1.47
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG3	22	1.47
(2,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE2	14	1.47
(2,48)	1:9:A:THR:H	1:9:A:THR:HG23	5	1.47
(2,48)	1:9:A:THR:H	1:9:A:THR:HG22	19	1.47
(2,48)	1:9:A:THR:H	1:9:A:THR:HG23	22	1.47
(2,46)	1:6:A:THR:HG22	1:7:A:TYR:HE1	11	1.47
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	16	1.47
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	10	1.47
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	6	1.47
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	5	1.47
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	6	1.47
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	7	1.47
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	13	1.47
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	24	1.47
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	24	1.47
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	20	1.47
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD11	4	1.47
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	18	1.47
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	20	1.47
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	2	1.47
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	16	1.47
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	4	1.47
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD2	17	1.47
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	19	1.47
(1,316)	1:15:A:ILE:HG22	1:17:A:ARG:HG3	17	1.47
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	12	1.47
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	14	1.47
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	4	1.47
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	16	1.47
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	21	1.47
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	10	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	4	1.47
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	7	1.47
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	9	1.47
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	11	1.47
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	12	1.47
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	18	1.47
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	20	1.47
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	22	1.47
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	9	1.47
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	17	1.47
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	7	1.47
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	1	1.47
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG3	22	1.47
(1,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE2	14	1.47
(1,48)	1:9:A:THR:H	1:9:A:THR:HG23	5	1.47
(1,48)	1:9:A:THR:H	1:9:A:THR:HG22	19	1.47
(1,48)	1:9:A:THR:H	1:9:A:THR:HG23	22	1.47
(1,46)	1:6:A:THR:HG22	1:7:A:TYR:HE1	11	1.47
(3,91)	1:36:A:ILE:HD13	1:38:A:MET:HG2	6	1.46
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	19	1.46
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG23	12	1.46
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	14	1.46
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	18	1.46
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG23	24	1.46
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	13	1.46
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	2	1.46
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	3	1.46
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	4	1.46
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	8	1.46
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	9	1.46
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	11	1.46
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	16	1.46
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	19	1.46
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	15	1.46
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	3	1.46
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	20	1.46
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	15	1.46
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	22	1.46
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	9	1.46
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	16	1.46
(2,474)	1:30:A:ILE:HG21	1:23:A:CYS:HB2	18	1.46
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	9	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	14	1.46
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	8	1.46
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB2	16	1.46
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB3	4	1.46
(2,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE1	3	1.46
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	22	1.46
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB2	7	1.46
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	7	1.46
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	2	1.46
(2,313)	1:41:A:SER:HB3	1:10:A:TYR:HE2	12	1.46
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD11	16	1.46
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	23	1.46
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	17	1.46
(2,280)	1:6:A:THR:HG23	1:7:A:TYR:HD1	24	1.46
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB3	5	1.46
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	8	1.46
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	13	1.46
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	17	1.46
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	23	1.46
(2,48)	1:9:A:THR:H	1:9:A:THR:HG23	6	1.46
(2,48)	1:9:A:THR:H	1:9:A:THR:HG22	21	1.46
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	14	1.46
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	18	1.46
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG23	24	1.46
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE2	13	1.46
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	2	1.46
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	3	1.46
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	4	1.46
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	8	1.46
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	9	1.46
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	11	1.46
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	16	1.46
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	19	1.46
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	15	1.46
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	3	1.46
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	20	1.46
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	15	1.46
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	22	1.46
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	9	1.46
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	16	1.46
(1,474)	1:30:A:ILE:HG21	1:23:A:CYS:HB2	18	1.46
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	9	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	14	1.46
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	8	1.46
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB2	16	1.46
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB3	4	1.46
(1,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE1	3	1.46
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	22	1.46
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB2	7	1.46
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	7	1.46
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	2	1.46
(1,313)	1:41:A:SER:HB3	1:10:A:TYR:HE2	12	1.46
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD11	16	1.46
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	23	1.46
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	17	1.46
(1,280)	1:6:A:THR:HG23	1:7:A:TYR:HD1	24	1.46
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB3	5	1.46
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	8	1.46
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	13	1.46
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	17	1.46
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD13	23	1.46
(1,48)	1:9:A:THR:H	1:9:A:THR:HG23	6	1.46
(1,48)	1:9:A:THR:H	1:9:A:THR:HG22	21	1.46
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	5	1.45
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	21	1.45
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	22	1.45
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG23	10	1.45
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG22	20	1.45
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	17	1.45
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	8	1.45
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	22	1.45
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	1	1.45
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	10	1.45
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	12	1.45
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	14	1.45
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	15	1.45
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	17	1.45
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	21	1.45
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	23	1.45
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	24	1.45
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	2	1.45
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	16	1.45
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	3	1.45
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	20	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	21	1.45
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	6	1.45
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	19	1.45
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	6	1.45
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	19	1.45
(2,394)	1:11:A:CYS:H	1:9:A:THR:HB	24	1.45
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	17	1.45
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	8	1.45
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	6	1.45
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	4	1.45
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	19	1.45
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	5	1.45
(2,74)	1:30:A:ILE:HG21	1:10:A:TYR:HE1	22	1.45
(2,50)	1:9:A:THR:HG22	1:10:A:TYR:HE2	6	1.45
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	17	1.45
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	8	1.45
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	22	1.45
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	1	1.45
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	10	1.45
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	12	1.45
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	14	1.45
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	15	1.45
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	17	1.45
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	21	1.45
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	23	1.45
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE2	24	1.45
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	2	1.45
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	16	1.45
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	3	1.45
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	20	1.45
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	21	1.45
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	6	1.45
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	19	1.45
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	6	1.45
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	19	1.45
(1,394)	1:11:A:CYS:H	1:9:A:THR:HB	24	1.45
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	17	1.45
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	8	1.45
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	6	1.45
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	4	1.45
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	19	1.45
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	5	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:30:A:ILE:HG21	1:10:A:TYR:HE1	22	1.45
(1,50)	1:9:A:THR:HG22	1:10:A:TYR:HE2	6	1.45
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD2	11	1.44
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB2	4	1.44
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	6	1.44
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	20	1.44
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD2	22	1.44
(2,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	20	1.44
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	1	1.44
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	13	1.44
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	1	1.44
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD12	20	1.44
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	6	1.44
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	24	1.44
(2,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	2	1.44
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	2	1.44
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	24	1.44
(2,405)	1:29:A:VAL:H	1:9:A:THR:HG23	2	1.44
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	24	1.44
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	24	1.44
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	10	1.44
(2,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE1	7	1.44
(2,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE2	13	1.44
(2,48)	1:9:A:THR:H	1:9:A:THR:HG21	1	1.44
(2,48)	1:9:A:THR:H	1:9:A:THR:HG21	23	1.44
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	6	1.44
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	20	1.44
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD2	22	1.44
(1,580)	1:10:A:TYR:HB3	1:10:A:TYR:HE1	20	1.44
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	1	1.44
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	13	1.44
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	1	1.44
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD12	20	1.44
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	6	1.44
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	24	1.44
(1,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	2	1.44
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	2	1.44
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	24	1.44
(1,405)	1:29:A:VAL:H	1:9:A:THR:HG23	2	1.44
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	24	1.44
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	24	1.44
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	10	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE1	7	1.44
(1,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE2	13	1.44
(1,48)	1:9:A:THR:H	1:9:A:THR:HG21	1	1.44
(1,48)	1:9:A:THR:H	1:9:A:THR:HG21	23	1.44
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	20	1.43
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB3	23	1.43
(3,15)	1:36:A:ILE:HG23	1:38:A:MET:HB2	11	1.43
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	5	1.43
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	2	1.43
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	23	1.43
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	8	1.43
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	9	1.43
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	18	1.43
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	19	1.43
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	8	1.43
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	18	1.43
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	5	1.43
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB2	12	1.43
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	24	1.43
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD11	16	1.43
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	9	1.43
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	24	1.43
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	12	1.43
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	6	1.43
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	7	1.43
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	19	1.43
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	14	1.43
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	12	1.43
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	20	1.43
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	16	1.43
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	19	1.43
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	9	1.43
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG22	22	1.43
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	6	1.43
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	22	1.43
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	24	1.43
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	20	1.43
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	23	1.43
(2,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE1	4	1.43
(2,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE1	24	1.43
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD12	16	1.43
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	24	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,46)	1:6:A:THR:HG22	1:7:A:TYR:HE1	7	1.43
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	5	1.43
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	2	1.43
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	23	1.43
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	8	1.43
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	9	1.43
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	18	1.43
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	19	1.43
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	8	1.43
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	18	1.43
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	5	1.43
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB2	12	1.43
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	24	1.43
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD11	16	1.43
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	9	1.43
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	24	1.43
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	12	1.43
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	6	1.43
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	7	1.43
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	19	1.43
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	14	1.43
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	12	1.43
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	20	1.43
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	16	1.43
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	19	1.43
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	9	1.43
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG22	22	1.43
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	6	1.43
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	22	1.43
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	24	1.43
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	20	1.43
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	23	1.43
(1,102)	1:30:A:ILE:HD13	1:10:A:TYR:HE1	4	1.43
(1,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE1	24	1.43
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD12	16	1.43
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	24	1.43
(1,46)	1:6:A:THR:HG22	1:7:A:TYR:HE1	7	1.43
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	1	1.42
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	11	1.42
(3,61)	1:25:A:LYS:HG3	1:43:A:PHE:HE2	1	1.42
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB3	13	1.42
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	19	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	5	1.42
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	22	1.42
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	12	1.42
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	22	1.42
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	16	1.42
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG22	9	1.42
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	4	1.42
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	19	1.42
(2,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	11	1.42
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	13	1.42
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG2	4	1.42
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG2	12	1.42
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	9	1.42
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB2	8	1.42
(2,362)	1:15:A:ILE:HD13	1:12:A:PRO:HD2	2	1.42
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	5	1.42
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	6	1.42
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	3	1.42
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	16	1.42
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	23	1.42
(2,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB2	17	1.42
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	21	1.42
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	17	1.42
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	21	1.42
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	10	1.42
(2,48)	1:9:A:THR:H	1:9:A:THR:HG22	11	1.42
(2,45)	1:6:A:THR:H	1:6:A:THR:HG23	12	1.42
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	19	1.42
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	5	1.42
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	22	1.42
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	12	1.42
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	22	1.42
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	16	1.42
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG22	9	1.42
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	4	1.42
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	19	1.42
(1,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	11	1.42
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	13	1.42
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG2	4	1.42
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG2	12	1.42
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	9	1.42
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB2	8	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,362)	1:15:A:ILE:HD13	1:12:A:PRO:HD2	2	1.42
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	5	1.42
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	6	1.42
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	3	1.42
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	16	1.42
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	23	1.42
(1,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB2	17	1.42
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	21	1.42
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	17	1.42
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	21	1.42
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	10	1.42
(1,48)	1:9:A:THR:H	1:9:A:THR:HG22	11	1.42
(1,45)	1:6:A:THR:H	1:6:A:THR:HG23	12	1.42
(3,82)	1:40:A:GLN:H	1:36:A:ILE:HG23	18	1.41
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD2	9	1.41
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB3	15	1.41
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG3	19	1.41
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	2	1.41
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	10	1.41
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG21	15	1.41
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	7	1.41
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	8	1.41
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	3	1.41
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	3	1.41
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	13	1.41
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	21	1.41
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	7	1.41
(2,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	16	1.41
(2,313)	1:41:A:SER:HB3	1:10:A:TYR:HE1	24	1.41
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	24	1.41
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	7	1.41
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB3	13	1.41
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	24	1.41
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	8	1.41
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB2	7	1.41
(2,48)	1:9:A:THR:H	1:9:A:THR:HG22	9	1.41
(2,45)	1:6:A:THR:H	1:6:A:THR:HG23	1	1.41
(2,45)	1:6:A:THR:H	1:6:A:THR:HG23	6	1.41
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	16	1.41
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG3	19	1.41
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	2	1.41
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	10	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG21	15	1.41
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	7	1.41
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	8	1.41
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	3	1.41
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	3	1.41
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	13	1.41
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	21	1.41
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	7	1.41
(1,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	16	1.41
(1,313)	1:41:A:SER:HB3	1:10:A:TYR:HE1	24	1.41
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	24	1.41
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	7	1.41
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB3	13	1.41
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	24	1.41
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	8	1.41
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB2	7	1.41
(1,48)	1:9:A:THR:H	1:9:A:THR:HG22	9	1.41
(1,45)	1:6:A:THR:H	1:6:A:THR:HG23	1	1.41
(1,45)	1:6:A:THR:H	1:6:A:THR:HG23	6	1.41
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	16	1.41
(3,95)	1:25:A:LYS:HA	1:43:A:PHE:HD1	7	1.4
(2,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	3	1.4
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	18	1.4
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	13	1.4
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	23	1.4
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	4	1.4
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	8	1.4
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	11	1.4
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	7	1.4
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	21	1.4
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG21	18	1.4
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	11	1.4
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	15	1.4
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	22	1.4
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	23	1.4
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	22	1.4
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	24	1.4
(2,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	2	1.4
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	16	1.4
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	18	1.4
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	3	1.4
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	12	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB3	13	1.4
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	21	1.4
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	19	1.4
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	5	1.4
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	10	1.4
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	16	1.4
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	11	1.4
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	5	1.4
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	2	1.4
(1,603)	1:9:A:THR:HA	1:29:A:VAL:HG22	3	1.4
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	18	1.4
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	13	1.4
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	23	1.4
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	4	1.4
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	8	1.4
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	11	1.4
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	7	1.4
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	21	1.4
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG21	18	1.4
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	11	1.4
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	15	1.4
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	22	1.4
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	23	1.4
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	22	1.4
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	24	1.4
(1,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	2	1.4
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	16	1.4
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	18	1.4
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	3	1.4
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	12	1.4
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB3	13	1.4
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	21	1.4
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	19	1.4
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	5	1.4
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	10	1.4
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	16	1.4
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	11	1.4
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	5	1.4
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	2	1.4
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB2	1	1.39
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB2	20	1.39
(2,632)	1:29:A:VAL:HG13	1:5:A:ARG:HG3	6	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	18	1.39
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	20	1.39
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	7	1.39
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG3	17	1.39
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	2	1.39
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	19	1.39
(2,568)	1:19:A:ALA:HB1	1:31:A:CYS:HB3	6	1.39
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	19	1.39
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	17	1.39
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	17	1.39
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	5	1.39
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	24	1.39
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	2	1.39
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	2	1.39
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	18	1.39
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	12	1.39
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	3	1.39
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	9	1.39
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	2	1.39
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE1	7	1.39
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE2	9	1.39
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	14	1.39
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	9	1.39
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	14	1.39
(2,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	11	1.39
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	24	1.39
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	19	1.39
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	6	1.39
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	22	1.39
(2,280)	1:6:A:THR:HG22	1:7:A:TYR:HD1	21	1.39
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	19	1.39
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	22	1.39
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	23	1.39
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG2	17	1.39
(2,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	3	1.39
(1,632)	1:29:A:VAL:HG13	1:5:A:ARG:HG3	6	1.39
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	18	1.39
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	20	1.39
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	7	1.39
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG3	17	1.39
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	2	1.39
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	19	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:19:A:ALA:HB1	1:31:A:CYS:HB3	6	1.39
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	19	1.39
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	17	1.39
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	17	1.39
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	5	1.39
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	24	1.39
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	2	1.39
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	2	1.39
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	18	1.39
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	12	1.39
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	3	1.39
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	9	1.39
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	2	1.39
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE1	7	1.39
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE2	9	1.39
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	14	1.39
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	9	1.39
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	14	1.39
(1,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	11	1.39
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	24	1.39
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	19	1.39
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	6	1.39
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	22	1.39
(1,280)	1:6:A:THR:HG22	1:7:A:TYR:HD1	21	1.39
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	19	1.39
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	22	1.39
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	23	1.39
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG2	17	1.39
(1,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	3	1.39
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB2	23	1.38
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG13	6	1.38
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB3	1	1.38
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB2	24	1.38
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD12	11	1.38
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD13	15	1.38
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG22	11	1.38
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	4	1.38
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	7	1.38
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	7	1.38
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	14	1.38
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD13	2	1.38
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD13	4	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD11	12	1.38
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	8	1.38
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	5	1.38
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	8	1.38
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	17	1.38
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	22	1.38
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	4	1.38
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	21	1.38
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	16	1.38
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB2	11	1.38
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	20	1.38
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	22	1.38
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	6	1.38
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	14	1.38
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	15	1.38
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	15	1.38
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	17	1.38
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	3	1.38
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG13	9	1.38
(2,45)	1:6:A:THR:H	1:6:A:THR:HG21	14	1.38
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG22	11	1.38
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	4	1.38
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	7	1.38
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	7	1.38
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	14	1.38
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD13	2	1.38
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD13	4	1.38
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD11	12	1.38
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	8	1.38
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	5	1.38
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	8	1.38
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	17	1.38
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	22	1.38
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	4	1.38
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	21	1.38
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD1	16	1.38
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB2	11	1.38
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG21	20	1.38
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	22	1.38
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	6	1.38
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	14	1.38
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	15	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	15	1.38
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	17	1.38
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	3	1.38
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG13	9	1.38
(1,45)	1:6:A:THR:H	1:6:A:THR:HG21	14	1.38
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB2	11	1.37
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD11	3	1.37
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	10	1.37
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	18	1.37
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	2	1.37
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	11	1.37
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB3	20	1.37
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	11	1.37
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	21	1.37
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	1	1.37
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	12	1.37
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	23	1.37
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	14	1.37
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	13	1.37
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG23	4	1.37
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG23	19	1.37
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG22	21	1.37
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	14	1.37
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	20	1.37
(2,474)	1:30:A:ILE:HG21	1:23:A:CYS:HB2	13	1.37
(2,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	16	1.37
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	11	1.37
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	15	1.37
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	23	1.37
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	8	1.37
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	15	1.37
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	22	1.37
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	12	1.37
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG22	15	1.37
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB2	15	1.37
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	24	1.37
(2,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	19	1.37
(2,316)	1:15:A:ILE:HG23	1:17:A:ARG:HG2	24	1.37
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	7	1.37
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	1	1.37
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	1	1.37
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	12	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	18	1.37
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	19	1.37
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	6	1.37
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	12	1.37
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	11	1.37
(2,45)	1:6:A:THR:H	1:6:A:THR:HG23	17	1.37
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	2	1.37
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	10	1.37
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	18	1.37
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	2	1.37
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	11	1.37
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB3	20	1.37
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	11	1.37
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	21	1.37
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	1	1.37
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	12	1.37
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	23	1.37
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	14	1.37
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	13	1.37
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG23	4	1.37
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG23	19	1.37
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG22	21	1.37
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	14	1.37
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	20	1.37
(1,474)	1:30:A:ILE:HG21	1:23:A:CYS:HB2	13	1.37
(1,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	16	1.37
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	11	1.37
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	15	1.37
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	23	1.37
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	8	1.37
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	15	1.37
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	22	1.37
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	12	1.37
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG22	15	1.37
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB2	15	1.37
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	24	1.37
(1,324)	1:26:A:CYS:H	1:42:A:CYS:HB3	19	1.37
(1,316)	1:15:A:ILE:HG23	1:17:A:ARG:HG2	24	1.37
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	7	1.37
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	1	1.37
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	1	1.37
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	12	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	18	1.37
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	19	1.37
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	6	1.37
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	12	1.37
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	11	1.37
(1,45)	1:6:A:THR:H	1:6:A:THR:HG23	17	1.37
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	2	1.37
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	20	1.36
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	8	1.36
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	21	1.36
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	7	1.36
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	1	1.36
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	23	1.36
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	5	1.36
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	14	1.36
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	18	1.36
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD13	1	1.36
(2,518)	1:15:A:ILE:HG23	1:12:A:PRO:HG2	23	1.36
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG23	5	1.36
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	10	1.36
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	13	1.36
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	16	1.36
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	18	1.36
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	21	1.36
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	2	1.36
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	18	1.36
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	5	1.36
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	24	1.36
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD11	4	1.36
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD1	18	1.36
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	7	1.36
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	16	1.36
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	17	1.36
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	10	1.36
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	17	1.36
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	17	1.36
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	11	1.36
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	19	1.36
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	7	1.36
(2,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE2	23	1.36
(2,45)	1:6:A:THR:H	1:6:A:THR:HG23	5	1.36
(2,45)	1:6:A:THR:H	1:6:A:THR:HG21	11	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	5	1.36
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	8	1.36
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	21	1.36
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	7	1.36
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	1	1.36
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	23	1.36
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	5	1.36
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	14	1.36
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	18	1.36
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD13	1	1.36
(1,518)	1:15:A:ILE:HG23	1:12:A:PRO:HG2	23	1.36
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG23	5	1.36
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	10	1.36
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	13	1.36
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	16	1.36
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	18	1.36
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	21	1.36
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	2	1.36
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	18	1.36
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	5	1.36
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	24	1.36
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD11	4	1.36
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD1	18	1.36
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	7	1.36
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	16	1.36
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	17	1.36
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	10	1.36
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	17	1.36
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	17	1.36
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	11	1.36
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	19	1.36
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	7	1.36
(1,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE2	23	1.36
(1,45)	1:6:A:THR:H	1:6:A:THR:HG23	5	1.36
(1,45)	1:6:A:THR:H	1:6:A:THR:HG21	11	1.36
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	5	1.36
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB3	5	1.35
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	7	1.35
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG23	21	1.35
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	8	1.35
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	4	1.35
(2,568)	1:19:A:ALA:HB1	1:31:A:CYS:HB3	4	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	3	1.35
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	4	1.35
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	12	1.35
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	23	1.35
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	5	1.35
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	12	1.35
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG23	17	1.35
(2,493)	1:21:A:ALA:H	1:22:A:SER:H	12	1.35
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	2	1.35
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	8	1.35
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	20	1.35
(2,474)	1:30:A:ILE:HG21	1:23:A:CYS:HB2	7	1.35
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	6	1.35
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	14	1.35
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	17	1.35
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD11	10	1.35
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	2	1.35
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	19	1.35
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	10	1.35
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	14	1.35
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB2	6	1.35
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB2	12	1.35
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB2	21	1.35
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB2	4	1.35
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	8	1.35
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	19	1.35
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	13	1.35
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	4	1.35
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB2	15	1.35
(2,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE2	20	1.35
(2,45)	1:6:A:THR:H	1:6:A:THR:HG21	15	1.35
(2,45)	1:6:A:THR:H	1:6:A:THR:HG21	18	1.35
(2,45)	1:6:A:THR:H	1:6:A:THR:HG23	24	1.35
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	8	1.35
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	4	1.35
(1,568)	1:19:A:ALA:HB1	1:31:A:CYS:HB3	4	1.35
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	3	1.35
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	4	1.35
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	12	1.35
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	23	1.35
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	5	1.35
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	12	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG23	17	1.35
(1,493)	1:21:A:ALA:H	1:22:A:SER:H	12	1.35
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	2	1.35
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	8	1.35
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	20	1.35
(1,474)	1:30:A:ILE:HG21	1:23:A:CYS:HB2	7	1.35
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	6	1.35
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	14	1.35
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	17	1.35
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD11	10	1.35
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	2	1.35
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	19	1.35
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	10	1.35
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	14	1.35
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB2	6	1.35
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB2	12	1.35
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB2	21	1.35
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB2	4	1.35
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	8	1.35
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	19	1.35
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	13	1.35
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	4	1.35
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB2	15	1.35
(1,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE2	20	1.35
(1,45)	1:6:A:THR:H	1:6:A:THR:HG21	15	1.35
(1,45)	1:6:A:THR:H	1:6:A:THR:HG21	18	1.35
(1,45)	1:6:A:THR:H	1:6:A:THR:HG23	24	1.35
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD11	17	1.34
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD12	7	1.34
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG21	1	1.34
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG21	5	1.34
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	7	1.34
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	15	1.34
(2,568)	1:19:A:ALA:HB2	1:31:A:CYS:HB3	2	1.34
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	14	1.34
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	7	1.34
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	6	1.34
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	13	1.34
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	22	1.34
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	21	1.34
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG23	13	1.34
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	8	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	9	1.34
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	4	1.34
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	24	1.34
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	19	1.34
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	19	1.34
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	22	1.34
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	20	1.34
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG2	14	1.34
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	23	1.34
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG3	16	1.34
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	24	1.34
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	21	1.34
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	8	1.34
(2,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	11	1.34
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	8	1.34
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	10	1.34
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	19	1.34
(2,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE2	11	1.34
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD12	2	1.34
(2,50)	1:9:A:THR:HG23	1:10:A:TYR:HE1	24	1.34
(2,45)	1:6:A:THR:H	1:6:A:THR:HG22	7	1.34
(2,45)	1:6:A:THR:H	1:6:A:THR:HG22	20	1.34
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	11	1.34
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	7	1.34
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	15	1.34
(1,568)	1:19:A:ALA:HB2	1:31:A:CYS:HB3	2	1.34
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	14	1.34
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	7	1.34
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	6	1.34
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	13	1.34
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	22	1.34
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	21	1.34
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG23	13	1.34
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	8	1.34
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	9	1.34
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	4	1.34
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	24	1.34
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	19	1.34
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	19	1.34
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	22	1.34
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	20	1.34
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG2	14	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	23	1.34
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG3	16	1.34
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	24	1.34
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	21	1.34
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	8	1.34
(1,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	11	1.34
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	8	1.34
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	10	1.34
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	19	1.34
(1,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE2	11	1.34
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD12	2	1.34
(1,50)	1:9:A:THR:HG23	1:10:A:TYR:HE1	24	1.34
(1,45)	1:6:A:THR:H	1:6:A:THR:HG22	7	1.34
(1,45)	1:6:A:THR:H	1:6:A:THR:HG22	20	1.34
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	11	1.34
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG23	21	1.33
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	24	1.33
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	18	1.33
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	12	1.33
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG22	21	1.33
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	7	1.33
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	14	1.33
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	16	1.33
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	11	1.33
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	21	1.33
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	5	1.33
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	22	1.33
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	13	1.33
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD22	14	1.33
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	21	1.33
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	2	1.33
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	20	1.33
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG3	9	1.33
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	12	1.33
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	16	1.33
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	14	1.33
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	1	1.33
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	18	1.33
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	24	1.33
(2,313)	1:41:A:SER:HB3	1:10:A:TYR:HE2	3	1.33
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	14	1.33
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	13	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	5	1.33
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	2	1.33
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG2	11	1.33
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	1	1.33
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	7	1.33
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	23	1.33
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	10	1.33
(2,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	20	1.33
(2,49)	1:9:A:THR:HG21	1:10:A:TYR:HD1	22	1.33
(2,45)	1:6:A:THR:H	1:6:A:THR:HG23	3	1.33
(2,45)	1:6:A:THR:H	1:6:A:THR:HG22	21	1.33
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	3	1.33
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	24	1.33
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	18	1.33
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	12	1.33
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG22	21	1.33
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	7	1.33
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	14	1.33
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	16	1.33
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	11	1.33
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	21	1.33
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	5	1.33
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	22	1.33
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	13	1.33
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD22	14	1.33
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	21	1.33
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	2	1.33
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	20	1.33
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG3	9	1.33
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	12	1.33
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	16	1.33
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	14	1.33
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	1	1.33
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	18	1.33
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	24	1.33
(1,313)	1:41:A:SER:HB3	1:10:A:TYR:HE2	3	1.33
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	14	1.33
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	13	1.33
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	5	1.33
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	2	1.33
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG2	11	1.33
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	1	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	7	1.33
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	23	1.33
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	10	1.33
(1,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	20	1.33
(1,49)	1:9:A:THR:HG21	1:10:A:TYR:HD1	22	1.33
(1,45)	1:6:A:THR:H	1:6:A:THR:HG23	3	1.33
(1,45)	1:6:A:THR:H	1:6:A:THR:HG22	21	1.33
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	3	1.33
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB2	19	1.32
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE2	15	1.32
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD13	23	1.32
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	7	1.32
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG21	17	1.32
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	9	1.32
(2,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	23	1.32
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG3	8	1.32
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	5	1.32
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	21	1.32
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	23	1.32
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	7	1.32
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	10	1.32
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	4	1.32
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	12	1.32
(2,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	15	1.32
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	3	1.32
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	1	1.32
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	9	1.32
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG23	10	1.32
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	8	1.32
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	23	1.32
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD12	20	1.32
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD12	24	1.32
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	13	1.32
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	19	1.32
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG2	5	1.32
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	3	1.32
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	6	1.32
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG3	23	1.32
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	7	1.32
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD2	19	1.32
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB3	5	1.32
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	14	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	17	1.32
(2,315)	1:15:A:ILE:HG23	1:11:A:CYS:HB3	23	1.32
(2,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	11	1.32
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	12	1.32
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	23	1.32
(2,278)	1:29:A:VAL:HG13	1:5:A:ARG:HB3	15	1.32
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	19	1.32
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	3	1.32
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	7	1.32
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	12	1.32
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	8	1.32
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	14	1.32
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	18	1.32
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	7	1.32
(2,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	14	1.32
(2,45)	1:6:A:THR:H	1:6:A:THR:HG23	4	1.32
(2,45)	1:6:A:THR:H	1:6:A:THR:HG22	9	1.32
(2,45)	1:6:A:THR:H	1:6:A:THR:HG23	13	1.32
(2,45)	1:6:A:THR:H	1:6:A:THR:HG23	16	1.32
(2,45)	1:6:A:THR:H	1:6:A:THR:HG23	19	1.32
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	23	1.32
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	14	1.32
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	9	1.32
(1,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	23	1.32
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG3	8	1.32
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	5	1.32
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	21	1.32
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	23	1.32
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	7	1.32
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	10	1.32
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	4	1.32
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	12	1.32
(1,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	15	1.32
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	3	1.32
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	1	1.32
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	9	1.32
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG23	10	1.32
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	8	1.32
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	23	1.32
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD12	20	1.32
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD12	24	1.32
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	13	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	19	1.32
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG2	5	1.32
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	3	1.32
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	6	1.32
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG3	23	1.32
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	7	1.32
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD2	19	1.32
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB3	5	1.32
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	14	1.32
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	17	1.32
(1,315)	1:15:A:ILE:HG23	1:11:A:CYS:HB3	23	1.32
(1,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	11	1.32
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	12	1.32
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	23	1.32
(1,278)	1:29:A:VAL:HG13	1:5:A:ARG:HB3	15	1.32
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	19	1.32
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	3	1.32
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	7	1.32
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	12	1.32
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	8	1.32
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	14	1.32
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	18	1.32
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	7	1.32
(1,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	14	1.32
(1,45)	1:6:A:THR:H	1:6:A:THR:HG23	4	1.32
(1,45)	1:6:A:THR:H	1:6:A:THR:HG22	9	1.32
(1,45)	1:6:A:THR:H	1:6:A:THR:HG23	13	1.32
(1,45)	1:6:A:THR:H	1:6:A:THR:HG23	16	1.32
(1,45)	1:6:A:THR:H	1:6:A:THR:HG23	19	1.32
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	23	1.32
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	14	1.32
(3,89)	1:38:A:MET:HA	1:36:A:ILE:HG22	19	1.31
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	14	1.31
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	20	1.31
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	7	1.31
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB3	3	1.31
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD13	10	1.31
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	15	1.31
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	3	1.31
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	11	1.31
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	10	1.31
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	24	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	14	1.31
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	16	1.31
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	21	1.31
(2,568)	1:19:A:ALA:HB1	1:31:A:CYS:HB3	1	1.31
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD12	13	1.31
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	1	1.31
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	14	1.31
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	12	1.31
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	17	1.31
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	2	1.31
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	7	1.31
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	12	1.31
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	2	1.31
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	5	1.31
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	2	1.31
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	9	1.31
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB3	16	1.31
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	8	1.31
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	8	1.31
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	16	1.31
(2,313)	1:41:A:SER:HB3	1:10:A:TYR:HE2	23	1.31
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	3	1.31
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	19	1.31
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	22	1.31
(2,280)	1:6:A:THR:HG21	1:7:A:TYR:HD1	2	1.31
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	14	1.31
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG23	23	1.31
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	24	1.31
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	6	1.31
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	14	1.31
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG22	24	1.31
(2,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	24	1.31
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	22	1.31
(2,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	13	1.31
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	11	1.31
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	16	1.31
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	3	1.31
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	11	1.31
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	10	1.31
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	24	1.31
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	14	1.31
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	16	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	21	1.31
(1,568)	1:19:A:ALA:HB1	1:31:A:CYS:HB3	1	1.31
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD12	13	1.31
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	1	1.31
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	14	1.31
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	12	1.31
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	17	1.31
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	2	1.31
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	7	1.31
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	12	1.31
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	2	1.31
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	5	1.31
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	2	1.31
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	9	1.31
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB3	16	1.31
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	8	1.31
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	8	1.31
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	16	1.31
(1,313)	1:41:A:SER:HB3	1:10:A:TYR:HE2	23	1.31
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	3	1.31
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	19	1.31
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	22	1.31
(1,280)	1:6:A:THR:HG21	1:7:A:TYR:HD1	2	1.31
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	14	1.31
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG23	23	1.31
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	24	1.31
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	6	1.31
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	14	1.31
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG22	24	1.31
(1,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	24	1.31
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	22	1.31
(1,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	13	1.31
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	11	1.31
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	16	1.31
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	21	1.3
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD12	4	1.3
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	22	1.3
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	4	1.3
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	1	1.3
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	10	1.3
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	20	1.3
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG23	1	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	4	1.3
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG23	21	1.3
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB2	7	1.3
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	3	1.3
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG22	7	1.3
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	7	1.3
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	13	1.3
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	4	1.3
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	7	1.3
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	15	1.3
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	24	1.3
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	9	1.3
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	11	1.3
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD11	2	1.3
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	13	1.3
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	15	1.3
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	12	1.3
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB3	7	1.3
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB2	1	1.3
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB2	9	1.3
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	2	1.3
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	9	1.3
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	16	1.3
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB2	23	1.3
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	13	1.3
(2,46)	1:6:A:THR:HG21	1:7:A:TYR:HE1	24	1.3
(2,45)	1:6:A:THR:H	1:6:A:THR:HG22	22	1.3
(2,45)	1:6:A:THR:H	1:6:A:THR:HG23	23	1.3
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	22	1.3
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	4	1.3
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	1	1.3
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	10	1.3
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	20	1.3
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG23	1	1.3
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	4	1.3
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG23	21	1.3
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB2	7	1.3
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	3	1.3
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG22	7	1.3
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	7	1.3
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	13	1.3
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	4	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	7	1.3
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	15	1.3
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	24	1.3
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	9	1.3
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	11	1.3
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD11	2	1.3
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	13	1.3
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	15	1.3
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	12	1.3
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB3	7	1.3
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB2	1	1.3
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB2	9	1.3
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	2	1.3
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	9	1.3
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	16	1.3
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB2	23	1.3
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	13	1.3
(1,46)	1:6:A:THR:HG21	1:7:A:TYR:HE1	24	1.3
(1,45)	1:6:A:THR:H	1:6:A:THR:HG22	22	1.3
(1,45)	1:6:A:THR:H	1:6:A:THR:HG23	23	1.3
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG21	5	1.29
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	3	1.29
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	23	1.29
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	3	1.29
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	24	1.29
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	16	1.29
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	3	1.29
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	5	1.29
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD13	12	1.29
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	16	1.29
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	4	1.29
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	5	1.29
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	6	1.29
(2,474)	1:30:A:ILE:HG21	1:23:A:CYS:HB2	20	1.29
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	22	1.29
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	22	1.29
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	23	1.29
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	18	1.29
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	21	1.29
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB3	18	1.29
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB3	22	1.29
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	13	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	13	1.29
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	21	1.29
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	5	1.29
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	24	1.29
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	20	1.29
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD12	4	1.29
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD12	10	1.29
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	7	1.29
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	21	1.29
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	1	1.29
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG22	3	1.29
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG22	10	1.29
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	13	1.29
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG2	23	1.29
(2,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE2	1	1.29
(2,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE1	18	1.29
(2,46)	1:6:A:THR:HG21	1:7:A:TYR:HE2	16	1.29
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	1	1.29
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	24	1.29
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	16	1.29
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	3	1.29
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD12	5	1.29
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD13	12	1.29
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	16	1.29
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	4	1.29
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	5	1.29
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	6	1.29
(1,474)	1:30:A:ILE:HG21	1:23:A:CYS:HB2	20	1.29
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	22	1.29
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	22	1.29
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	23	1.29
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	18	1.29
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	21	1.29
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB3	18	1.29
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB3	22	1.29
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	13	1.29
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	13	1.29
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	21	1.29
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	5	1.29
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	24	1.29
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	20	1.29
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD12	4	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD12	10	1.29
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	7	1.29
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	21	1.29
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	1	1.29
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG22	3	1.29
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG22	10	1.29
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	13	1.29
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG2	23	1.29
(1,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE2	1	1.29
(1,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE1	18	1.29
(1,46)	1:6:A:THR:HG21	1:7:A:TYR:HE2	16	1.29
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	1	1.29
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	9	1.28
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	22	1.28
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB3	7	1.28
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	6	1.28
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	19	1.28
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	10	1.28
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	2	1.28
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	11	1.28
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	11	1.28
(3,13)	1:36:A:ILE:HA	1:36:A:ILE:HG22	15	1.28
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	23	1.28
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	1	1.28
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	13	1.28
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	23	1.28
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	13	1.28
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	12	1.28
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	23	1.28
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	10	1.28
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	15	1.28
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	17	1.28
(2,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	9	1.28
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	20	1.28
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	22	1.28
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	6	1.28
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	19	1.28
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	7	1.28
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	11	1.28
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	24	1.28
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	5	1.28
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	19	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	17	1.28
(2,313)	1:41:A:SER:HB3	1:10:A:TYR:HE2	2	1.28
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	11	1.28
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	11	1.28
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	15	1.28
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	17	1.28
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	15	1.28
(2,280)	1:6:A:THR:HG23	1:7:A:TYR:HD2	4	1.28
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	4	1.28
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	11	1.28
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	5	1.28
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	2	1.28
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	7	1.28
(2,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE2	9	1.28
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	21	1.28
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	22	1.28
(2,45)	1:6:A:THR:H	1:6:A:THR:HG23	10	1.28
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	6	1.28
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	24	1.28
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	23	1.28
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	1	1.28
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	13	1.28
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	23	1.28
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	13	1.28
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	12	1.28
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	23	1.28
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	10	1.28
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	15	1.28
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	17	1.28
(1,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	9	1.28
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	20	1.28
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	22	1.28
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	6	1.28
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	19	1.28
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	7	1.28
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	11	1.28
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	24	1.28
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	5	1.28
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	19	1.28
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	17	1.28
(1,313)	1:41:A:SER:HB3	1:10:A:TYR:HE2	2	1.28
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	11	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	11	1.28
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	15	1.28
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	17	1.28
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	15	1.28
(1,280)	1:6:A:THR:HG23	1:7:A:TYR:HD2	4	1.28
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	4	1.28
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD3	11	1.28
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	5	1.28
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	2	1.28
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	7	1.28
(1,102)	1:30:A:ILE:HD12	1:10:A:TYR:HE2	9	1.28
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	21	1.28
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	22	1.28
(1,45)	1:6:A:THR:H	1:6:A:THR:HG23	10	1.28
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	6	1.28
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	24	1.28
(3,92)	1:36:A:ILE:HG21	1:38:A:MET:HG3	23	1.27
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	23	1.27
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	24	1.27
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	5	1.27
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	24	1.27
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB3	16	1.27
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB2	18	1.27
(3,13)	1:36:A:ILE:HA	1:36:A:ILE:HG21	3	1.27
(3,13)	1:36:A:ILE:HA	1:36:A:ILE:HG22	23	1.27
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	4	1.27
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	9	1.27
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	10	1.27
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	12	1.27
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	10	1.27
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	21	1.27
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD11	13	1.27
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	23	1.27
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	9	1.27
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	16	1.27
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	8	1.27
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	2	1.27
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	23	1.27
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	5	1.27
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG23	12	1.27
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	16	1.27
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	2	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	4	1.27
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	22	1.27
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	22	1.27
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	3	1.27
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	2	1.27
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	12	1.27
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	1	1.27
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	17	1.27
(2,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE1	14	1.27
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	20	1.27
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	1	1.27
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	15	1.27
(2,313)	1:41:A:SER:HB2	1:10:A:TYR:HE1	4	1.27
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	7	1.27
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	18	1.27
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	20	1.27
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	20	1.27
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	4	1.27
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	15	1.27
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG22	21	1.27
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	22	1.27
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	10	1.27
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	20	1.27
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	16	1.27
(2,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	11	1.27
(2,46)	1:6:A:THR:HG22	1:7:A:TYR:HE1	18	1.27
(2,45)	1:6:A:THR:H	1:6:A:THR:HG21	8	1.27
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	4	1.27
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	9	1.27
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	10	1.27
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	12	1.27
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	10	1.27
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	21	1.27
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD11	13	1.27
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	23	1.27
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	9	1.27
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	16	1.27
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	8	1.27
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	2	1.27
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	23	1.27
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	5	1.27
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG23	12	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	16	1.27
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	2	1.27
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	4	1.27
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	22	1.27
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	22	1.27
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	3	1.27
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG23	2	1.27
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	12	1.27
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	1	1.27
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	17	1.27
(1,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE1	14	1.27
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	20	1.27
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	1	1.27
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	15	1.27
(1,313)	1:41:A:SER:HB2	1:10:A:TYR:HE1	4	1.27
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	7	1.27
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	18	1.27
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	20	1.27
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	20	1.27
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	4	1.27
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	15	1.27
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG22	21	1.27
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	22	1.27
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	10	1.27
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	20	1.27
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	16	1.27
(1,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	11	1.27
(1,46)	1:6:A:THR:HG22	1:7:A:TYR:HE1	18	1.27
(1,45)	1:6:A:THR:H	1:6:A:THR:HG21	8	1.27
(3,91)	1:36:A:ILE:HD11	1:38:A:MET:HG2	4	1.26
(3,68)	1:39:A:CYS:HA	1:36:A:ILE:HG23	18	1.26
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB2	11	1.26
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	14	1.26
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	23	1.26
(3,13)	1:36:A:ILE:HA	1:36:A:ILE:HG23	13	1.26
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE2	19	1.26
(2,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	3	1.26
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	12	1.26
(2,568)	1:19:A:ALA:HB1	1:31:A:CYS:HB3	16	1.26
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	4	1.26
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG23	10	1.26
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD22	4	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	15	1.26
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	5	1.26
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	17	1.26
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	20	1.26
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	2	1.26
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	3	1.26
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	8	1.26
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG21	3	1.26
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG23	24	1.26
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	11	1.26
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	11	1.26
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	24	1.26
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	16	1.26
(2,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	3	1.26
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	14	1.26
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	9	1.26
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	20	1.26
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	17	1.26
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	18	1.26
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	24	1.26
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	11	1.26
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	4	1.26
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG3	4	1.26
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	8	1.26
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	19	1.26
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	23	1.26
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	21	1.26
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB3	2	1.26
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	3	1.26
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	18	1.26
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	23	1.26
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	7	1.26
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	10	1.26
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB2	6	1.26
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	7	1.26
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	13	1.26
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	22	1.26
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	6	1.26
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	6	1.26
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	11	1.26
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	12	1.26
(2,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	6	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	12	1.26
(1,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	3	1.26
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	12	1.26
(1,568)	1:19:A:ALA:HB1	1:31:A:CYS:HB3	16	1.26
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	4	1.26
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG23	10	1.26
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD22	4	1.26
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	15	1.26
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	5	1.26
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	17	1.26
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	20	1.26
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	2	1.26
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	3	1.26
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	8	1.26
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG21	3	1.26
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG23	24	1.26
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	11	1.26
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	11	1.26
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	24	1.26
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	16	1.26
(1,465)	1:8:A:CYS:HA	1:11:A:CYS:HB2	3	1.26
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	14	1.26
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	9	1.26
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	20	1.26
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	17	1.26
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	18	1.26
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	24	1.26
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	11	1.26
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	4	1.26
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG3	4	1.26
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	8	1.26
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	19	1.26
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	23	1.26
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	21	1.26
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB3	2	1.26
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	3	1.26
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	18	1.26
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	23	1.26
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	7	1.26
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	10	1.26
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB2	6	1.26
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	7	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	13	1.26
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	22	1.26
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	6	1.26
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	6	1.26
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	11	1.26
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	12	1.26
(1,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	6	1.26
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	12	1.26
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	15	1.25
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	6	1.25
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG23	18	1.25
(3,13)	1:36:A:ILE:HA	1:36:A:ILE:HG23	9	1.25
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	23	1.25
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	20	1.25
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	15	1.25
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	8	1.25
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	17	1.25
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	14	1.25
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	6	1.25
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	9	1.25
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	6	1.25
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	17	1.25
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	19	1.25
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD12	21	1.25
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	10	1.25
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	14	1.25
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	2	1.25
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG22	20	1.25
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	12	1.25
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	17	1.25
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	6	1.25
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	11	1.25
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	22	1.25
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	4	1.25
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	17	1.25
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	1	1.25
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	20	1.25
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	10	1.25
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD12	6	1.25
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	14	1.25
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	17	1.25
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	18	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG3	24	1.25
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	9	1.25
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	15	1.25
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	5	1.25
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	12	1.25
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	11	1.25
(2,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	8	1.25
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	15	1.25
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	11	1.25
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	2	1.25
(2,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD11	9	1.25
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	14	1.25
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	23	1.25
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	18	1.25
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	20	1.25
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG22	23	1.25
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	4	1.25
(2,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	16	1.25
(2,46)	1:6:A:THR:HG23	1:7:A:TYR:HE2	5	1.25
(2,45)	1:6:A:THR:H	1:6:A:THR:HG21	2	1.25
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	12	1.25
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	23	1.25
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD2	20	1.25
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	15	1.25
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	8	1.25
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	17	1.25
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	14	1.25
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	6	1.25
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	9	1.25
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	6	1.25
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	17	1.25
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	19	1.25
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD12	21	1.25
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	10	1.25
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	14	1.25
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	2	1.25
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG22	20	1.25
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	12	1.25
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	17	1.25
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	6	1.25
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	11	1.25
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	22	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	4	1.25
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	17	1.25
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	1	1.25
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	20	1.25
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE1	10	1.25
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD12	6	1.25
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	14	1.25
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	17	1.25
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	18	1.25
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG3	24	1.25
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	9	1.25
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	15	1.25
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	5	1.25
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	12	1.25
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	11	1.25
(1,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	8	1.25
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	15	1.25
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	11	1.25
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	2	1.25
(1,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD11	9	1.25
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	14	1.25
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	23	1.25
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	18	1.25
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG23	20	1.25
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG22	23	1.25
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	4	1.25
(1,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	16	1.25
(1,46)	1:6:A:THR:HG23	1:7:A:TYR:HE2	5	1.25
(1,45)	1:6:A:THR:H	1:6:A:THR:HG21	2	1.25
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	12	1.25
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	2	1.24
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	8	1.24
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	23	1.24
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG22	14	1.24
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB3	19	1.24
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	17	1.24
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	23	1.24
(3,13)	1:36:A:ILE:HA	1:36:A:ILE:HG23	7	1.24
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	12	1.24
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	18	1.24
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	13	1.24
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	17	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	21	1.24
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	2	1.24
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	15	1.24
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	16	1.24
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD11	16	1.24
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	3	1.24
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	7	1.24
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	17	1.24
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	5	1.24
(2,491)	1:28:A:LYS:H	1:29:A:VAL:H	3	1.24
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	15	1.24
(2,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	24	1.24
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	9	1.24
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	14	1.24
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	4	1.24
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	8	1.24
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	17	1.24
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	21	1.24
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	14	1.24
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	7	1.24
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	10	1.24
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	14	1.24
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	16	1.24
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	22	1.24
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	5	1.24
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	17	1.24
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB3	17	1.24
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	3	1.24
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	3	1.24
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	15	1.24
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	22	1.24
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	12	1.24
(2,313)	1:41:A:SER:HB3	1:10:A:TYR:HE1	21	1.24
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	23	1.24
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	10	1.24
(2,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB2	7	1.24
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG22	17	1.24
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	1	1.24
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB3	19	1.24
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	11	1.24
(2,74)	1:30:A:ILE:HG21	1:10:A:TYR:HE2	3	1.24
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	14	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	14	1.24
(2,49)	1:9:A:THR:HG23	1:10:A:TYR:HD2	16	1.24
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	12	1.24
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	18	1.24
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	13	1.24
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	17	1.24
(1,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	21	1.24
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	2	1.24
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	15	1.24
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	16	1.24
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD11	16	1.24
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	3	1.24
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	7	1.24
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	17	1.24
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	5	1.24
(1,491)	1:28:A:LYS:H	1:29:A:VAL:H	3	1.24
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	15	1.24
(1,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	24	1.24
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	9	1.24
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	14	1.24
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	4	1.24
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	8	1.24
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	17	1.24
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	21	1.24
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	14	1.24
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	7	1.24
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	10	1.24
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	14	1.24
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	16	1.24
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	22	1.24
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	5	1.24
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	17	1.24
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB3	17	1.24
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	3	1.24
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	3	1.24
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	15	1.24
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	22	1.24
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	12	1.24
(1,313)	1:41:A:SER:HB3	1:10:A:TYR:HE1	21	1.24
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD1	23	1.24
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	10	1.24
(1,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB2	7	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG22	17	1.24
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	1	1.24
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB3	19	1.24
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	11	1.24
(1,74)	1:30:A:ILE:HG21	1:10:A:TYR:HE2	3	1.24
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	14	1.24
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	14	1.24
(1,49)	1:9:A:THR:HG23	1:10:A:TYR:HD2	16	1.24
(3,91)	1:36:A:ILE:HD12	1:38:A:MET:HG2	14	1.23
(3,70)	1:36:A:ILE:HD11	1:43:A:PHE:HD1	18	1.23
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG21	8	1.23
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB2	15	1.23
(3,13)	1:36:A:ILE:HA	1:36:A:ILE:HG23	11	1.23
(2,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD2	1	1.23
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	4	1.23
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	3	1.23
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	15	1.23
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	23	1.23
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	24	1.23
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	15	1.23
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	6	1.23
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	7	1.23
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	10	1.23
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	12	1.23
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	16	1.23
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	22	1.23
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	15	1.23
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	1	1.23
(2,474)	1:30:A:ILE:HG22	1:23:A:CYS:HB2	12	1.23
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	5	1.23
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	11	1.23
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	5	1.23
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	13	1.23
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	18	1.23
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD11	8	1.23
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	3	1.23
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	21	1.23
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	20	1.23
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	10	1.23
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG2	15	1.23
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	16	1.23
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	22	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG3	14	1.23
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	1	1.23
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	8	1.23
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	22	1.23
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB2	23	1.23
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB2	16	1.23
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	8	1.23
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	9	1.23
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB2	4	1.23
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	6	1.23
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	12	1.23
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	17	1.23
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	22	1.23
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	4	1.23
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	5	1.23
(2,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE1	5	1.23
(2,46)	1:6:A:THR:HG23	1:7:A:TYR:HE1	21	1.23
(1,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD2	1	1.23
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	4	1.23
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	3	1.23
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	15	1.23
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	23	1.23
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	24	1.23
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	15	1.23
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	6	1.23
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	7	1.23
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	10	1.23
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	12	1.23
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	16	1.23
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	22	1.23
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	15	1.23
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	1	1.23
(1,474)	1:30:A:ILE:HG22	1:23:A:CYS:HB2	12	1.23
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	5	1.23
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	11	1.23
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	5	1.23
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	13	1.23
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	18	1.23
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD11	8	1.23
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	3	1.23
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	21	1.23
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	20	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	10	1.23
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG2	15	1.23
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	16	1.23
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	22	1.23
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG3	14	1.23
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	1	1.23
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	8	1.23
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	22	1.23
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB2	23	1.23
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB2	16	1.23
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	8	1.23
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	9	1.23
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB2	4	1.23
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	6	1.23
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	12	1.23
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	17	1.23
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	22	1.23
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	4	1.23
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	5	1.23
(1,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE1	5	1.23
(1,46)	1:6:A:THR:HG23	1:7:A:TYR:HE1	21	1.23
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD2	1	1.22
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB3	2	1.22
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	16	1.22
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	19	1.22
(3,13)	1:36:A:ILE:HA	1:36:A:ILE:HG23	19	1.22
(2,632)	1:29:A:VAL:HG12	1:5:A:ARG:HG3	1	1.22
(2,632)	1:29:A:VAL:HG11	1:5:A:ARG:HG3	12	1.22
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	2	1.22
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	10	1.22
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	9	1.22
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	19	1.22
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	22	1.22
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	23	1.22
(2,568)	1:19:A:ALA:HB2	1:31:A:CYS:HB3	10	1.22
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	5	1.22
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	2	1.22
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB1	5	1.22
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	13	1.22
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	5	1.22
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	15	1.22
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	23	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	14	1.22
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	2	1.22
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	6	1.22
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	23	1.22
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	9	1.22
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	16	1.22
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG23	21	1.22
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	4	1.22
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	10	1.22
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	4	1.22
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	12	1.22
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	4	1.22
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	10	1.22
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB2	10	1.22
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	3	1.22
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	15	1.22
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	1	1.22
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	10	1.22
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	4	1.22
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	4	1.22
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	6	1.22
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	11	1.22
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	19	1.22
(1,632)	1:29:A:VAL:HG12	1:5:A:ARG:HG3	1	1.22
(1,632)	1:29:A:VAL:HG11	1:5:A:ARG:HG3	12	1.22
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	2	1.22
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	10	1.22
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	9	1.22
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	19	1.22
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	22	1.22
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	23	1.22
(1,568)	1:19:A:ALA:HB2	1:31:A:CYS:HB3	10	1.22
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	5	1.22
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	2	1.22
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB1	5	1.22
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	13	1.22
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	5	1.22
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	15	1.22
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	23	1.22
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	14	1.22
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	2	1.22
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	6	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	23	1.22
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	9	1.22
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	16	1.22
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG23	21	1.22
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	4	1.22
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	10	1.22
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	4	1.22
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	12	1.22
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	4	1.22
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	10	1.22
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB2	10	1.22
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	3	1.22
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	15	1.22
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	1	1.22
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	10	1.22
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	4	1.22
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	4	1.22
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	6	1.22
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	11	1.22
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	19	1.22
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	13	1.21
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	16	1.21
(3,49)	1:25:A:LYS:HD3	1:43:A:PHE:HD2	13	1.21
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD11	1	1.21
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD12	2	1.21
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG12	9	1.21
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	16	1.21
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	6	1.21
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	17	1.21
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	2	1.21
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	7	1.21
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	14	1.21
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	21	1.21
(2,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	19	1.21
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB1	17	1.21
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	24	1.21
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	7	1.21
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	3	1.21
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	4	1.21
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	8	1.21
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	15	1.21
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	17	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	18	1.21
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	23	1.21
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	2	1.21
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	1	1.21
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	13	1.21
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	3	1.21
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	11	1.21
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	21	1.21
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	24	1.21
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	11	1.21
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	14	1.21
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	22	1.21
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	14	1.21
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	9	1.21
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB3	17	1.21
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	6	1.21
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	16	1.21
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	5	1.21
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	11	1.21
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD12	1	1.21
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	5	1.21
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	21	1.21
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	4	1.21
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	24	1.21
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	21	1.21
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	4	1.21
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	20	1.21
(2,280)	1:6:A:THR:HG23	1:7:A:TYR:HD1	16	1.21
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG23	18	1.21
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD2	16	1.21
(2,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	8	1.21
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	8	1.21
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	9	1.21
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	15	1.21
(2,74)	1:30:A:ILE:HG21	1:10:A:TYR:HE1	5	1.21
(2,46)	1:6:A:THR:HG21	1:7:A:TYR:HE2	10	1.21
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	16	1.21
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	6	1.21
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	17	1.21
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	2	1.21
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	7	1.21
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	14	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	21	1.21
(1,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	19	1.21
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB1	17	1.21
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	24	1.21
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	7	1.21
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	3	1.21
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	4	1.21
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	8	1.21
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	15	1.21
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	17	1.21
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	18	1.21
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	23	1.21
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	2	1.21
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	1	1.21
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	13	1.21
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	3	1.21
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	11	1.21
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	21	1.21
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	24	1.21
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	11	1.21
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	14	1.21
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	22	1.21
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	14	1.21
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	9	1.21
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB3	17	1.21
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	6	1.21
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	16	1.21
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	5	1.21
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	11	1.21
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD12	1	1.21
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	5	1.21
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	21	1.21
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	4	1.21
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	24	1.21
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD1	21	1.21
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	4	1.21
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	20	1.21
(1,280)	1:6:A:THR:HG23	1:7:A:TYR:HD1	16	1.21
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG23	18	1.21
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD2	16	1.21
(1,212)	1:15:A:ILE:H	1:15:A:ILE:HG21	8	1.21
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	8	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	9	1.21
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	15	1.21
(1,74)	1:30:A:ILE:HG21	1:10:A:TYR:HE1	5	1.21
(1,46)	1:6:A:THR:HG21	1:7:A:TYR:HE2	10	1.21
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	3	1.2
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	2	1.2
(3,61)	1:25:A:LYS:HG2	1:43:A:PHE:HE2	15	1.2
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	16	1.2
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG21	1	1.2
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	13	1.2
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	2	1.2
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	3	1.2
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	11	1.2
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB3	12	1.2
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	14	1.2
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	16	1.2
(2,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD3	16	1.2
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	1	1.2
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	3	1.2
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	6	1.2
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	2	1.2
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	20	1.2
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	3	1.2
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	9	1.2
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	24	1.2
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	9	1.2
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	20	1.2
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	3	1.2
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	22	1.2
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	4	1.2
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	12	1.2
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	16	1.2
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	10	1.2
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	23	1.2
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	11	1.2
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	21	1.2
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB2	12	1.2
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	1	1.2
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	4	1.2
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB3	22	1.2
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	10	1.2
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	9	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	8	1.2
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	2	1.2
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	3	1.2
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	11	1.2
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB3	12	1.2
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	14	1.2
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	16	1.2
(1,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD3	16	1.2
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	1	1.2
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	3	1.2
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	6	1.2
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	2	1.2
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	20	1.2
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	3	1.2
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	9	1.2
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	24	1.2
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	9	1.2
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	20	1.2
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	3	1.2
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	22	1.2
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	4	1.2
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	12	1.2
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	16	1.2
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	10	1.2
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	23	1.2
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	11	1.2
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	21	1.2
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB2	12	1.2
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	1	1.2
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	4	1.2
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB3	22	1.2
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	10	1.2
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	9	1.2
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	8	1.2
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	12	1.19
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	12	1.19
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	24	1.19
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB3	12	1.19
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB2	17	1.19
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	3	1.19
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	15	1.19
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	1	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	10	1.19
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	8	1.19
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	9	1.19
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	6	1.19
(2,568)	1:19:A:ALA:HB1	1:31:A:CYS:HB3	24	1.19
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	12	1.19
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	6	1.19
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	12	1.19
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	22	1.19
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	11	1.19
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	7	1.19
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	18	1.19
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	11	1.19
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	1	1.19
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	12	1.19
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	17	1.19
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	19	1.19
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	17	1.19
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	19	1.19
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	14	1.19
(2,403)	1:9:A:THR:HG22	1:28:A:LYS:HE2	6	1.19
(2,403)	1:9:A:THR:HG22	1:28:A:LYS:HE2	12	1.19
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	4	1.19
(2,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	20	1.19
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	12	1.19
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	22	1.19
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	1	1.19
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	3	1.19
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	23	1.19
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	24	1.19
(2,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	5	1.19
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	17	1.19
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	18	1.19
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	11	1.19
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	24	1.19
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	3	1.19
(2,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	12	1.19
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	1	1.19
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	10	1.19
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	8	1.19
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE2	9	1.19
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	6	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:19:A:ALA:HB1	1:31:A:CYS:HB3	24	1.19
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	12	1.19
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD2	6	1.19
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	12	1.19
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	22	1.19
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	11	1.19
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	7	1.19
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	18	1.19
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	11	1.19
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	1	1.19
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	12	1.19
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	17	1.19
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	19	1.19
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	17	1.19
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	19	1.19
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	14	1.19
(1,403)	1:9:A:THR:HG22	1:28:A:LYS:HE2	6	1.19
(1,403)	1:9:A:THR:HG22	1:28:A:LYS:HE2	12	1.19
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	4	1.19
(1,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	20	1.19
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	12	1.19
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	22	1.19
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	1	1.19
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	3	1.19
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	23	1.19
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	24	1.19
(1,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	5	1.19
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	17	1.19
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	18	1.19
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	11	1.19
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	24	1.19
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	3	1.19
(1,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	12	1.19
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD12	12	1.18
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD12	12	1.18
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	16	1.18
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD11	22	1.18
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD1	4	1.18
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG22	1	1.18
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	15	1.18
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB3	24	1.18
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	9	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	10	1.18
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	8	1.18
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	18	1.18
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	11	1.18
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	12	1.18
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	16	1.18
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	7	1.18
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	14	1.18
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	6	1.18
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB2	6	1.18
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	23	1.18
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	1	1.18
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	23	1.18
(2,403)	1:9:A:THR:HG21	1:28:A:LYS:HE2	24	1.18
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	17	1.18
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	20	1.18
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	21	1.18
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	14	1.18
(2,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	6	1.18
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	9	1.18
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	5	1.18
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	14	1.18
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	7	1.18
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB2	16	1.18
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	21	1.18
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB2	21	1.18
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	21	1.18
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB3	5	1.18
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	7	1.18
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	13	1.18
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	17	1.18
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD1	4	1.18
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG22	1	1.18
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	15	1.18
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB3	24	1.18
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	9	1.18
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	10	1.18
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	8	1.18
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	18	1.18
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	11	1.18
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	12	1.18
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	16	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	7	1.18
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	14	1.18
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	6	1.18
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB2	6	1.18
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	23	1.18
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	1	1.18
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	23	1.18
(1,403)	1:9:A:THR:HG21	1:28:A:LYS:HE2	24	1.18
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	17	1.18
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	20	1.18
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	21	1.18
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	14	1.18
(1,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	6	1.18
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	9	1.18
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	5	1.18
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	14	1.18
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	7	1.18
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB2	16	1.18
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	21	1.18
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB2	21	1.18
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	21	1.18
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB3	5	1.18
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	7	1.18
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	13	1.18
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	17	1.18
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	13	1.17
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	4	1.17
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE3	11	1.17
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG3	13	1.17
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	20	1.17
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB3	13	1.17
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	18	1.17
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	12	1.17
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG22	22	1.17
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	9	1.17
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	21	1.17
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	24	1.17
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	10	1.17
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	13	1.17
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	22	1.17
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	3	1.17
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	5	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	16	1.17
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	3	1.17
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG3	14	1.17
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	13	1.17
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	21	1.17
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	7	1.17
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	10	1.17
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	11	1.17
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	6	1.17
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	9	1.17
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	9	1.17
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	20	1.17
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	2	1.17
(2,280)	1:6:A:THR:HG23	1:7:A:TYR:HD2	10	1.17
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB3	17	1.17
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	3	1.17
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB2	18	1.17
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	10	1.17
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG22	21	1.17
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	1	1.17
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	3	1.17
(2,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE1	4	1.17
(2,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE2	23	1.17
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	7	1.17
(2,46)	1:6:A:THR:HG21	1:7:A:TYR:HE1	3	1.17
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG3	13	1.17
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	20	1.17
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB3	13	1.17
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	18	1.17
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	12	1.17
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG22	22	1.17
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	9	1.17
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	21	1.17
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	24	1.17
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	10	1.17
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	13	1.17
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	22	1.17
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	3	1.17
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	5	1.17
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	16	1.17
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	3	1.17
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG3	14	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	13	1.17
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	21	1.17
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	7	1.17
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	10	1.17
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	11	1.17
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	6	1.17
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	9	1.17
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	9	1.17
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	20	1.17
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	2	1.17
(1,280)	1:6:A:THR:HG23	1:7:A:TYR:HD2	10	1.17
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB3	17	1.17
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	3	1.17
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB2	18	1.17
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	10	1.17
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG22	21	1.17
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	1	1.17
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	3	1.17
(1,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE1	4	1.17
(1,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE2	23	1.17
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	7	1.17
(1,46)	1:6:A:THR:HG21	1:7:A:TYR:HE1	3	1.17
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	16	1.16
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG13	20	1.16
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB3	6	1.16
(3,40)	1:25:A:LYS:HD2	1:43:A:PHE:HE1	7	1.16
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD13	8	1.16
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	6	1.16
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG22	15	1.16
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	13	1.16
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	3	1.16
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	12	1.16
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB1	21	1.16
(2,552)	1:40:A:GLN:H	1:30:A:ILE:HD11	10	1.16
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	9	1.16
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	16	1.16
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	14	1.16
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	19	1.16
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	12	1.16
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	14	1.16
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	19	1.16
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	13	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	12	1.16
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	14	1.16
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	2	1.16
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	24	1.16
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	14	1.16
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	5	1.16
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	7	1.16
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG21	3	1.16
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	5	1.16
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	14	1.16
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	1	1.16
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	13	1.16
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	16	1.16
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	20	1.16
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	18	1.16
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	3	1.16
(2,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB3	5	1.16
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	22	1.16
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	18	1.16
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	6	1.16
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG22	15	1.16
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	13	1.16
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	3	1.16
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	12	1.16
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB1	21	1.16
(1,552)	1:40:A:GLN:H	1:30:A:ILE:HD11	10	1.16
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	9	1.16
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	16	1.16
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	14	1.16
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	19	1.16
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	12	1.16
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	14	1.16
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	19	1.16
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	13	1.16
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	12	1.16
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	14	1.16
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	2	1.16
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	24	1.16
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	14	1.16
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	5	1.16
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	7	1.16
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG21	3	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	5	1.16
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	14	1.16
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	1	1.16
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	13	1.16
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	16	1.16
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	20	1.16
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	18	1.16
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	3	1.16
(1,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB3	5	1.16
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	22	1.16
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	18	1.16
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	8	1.15
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	4	1.15
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	17	1.15
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD2	23	1.15
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	1	1.15
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD3	13	1.15
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG21	2	1.15
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB3	9	1.15
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG2	21	1.15
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	7	1.15
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	11	1.15
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	9	1.15
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	3	1.15
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG23	12	1.15
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	5	1.15
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	7	1.15
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	6	1.15
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	19	1.15
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	20	1.15
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	1	1.15
(2,492)	1:7:A:TYR:H	1:8:A:CYS:H	13	1.15
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	21	1.15
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	6	1.15
(2,474)	1:30:A:ILE:HG22	1:23:A:CYS:HB2	6	1.15
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	23	1.15
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	5	1.15
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	13	1.15
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD12	18	1.15
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	6	1.15
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	5	1.15
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	13	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	14	1.15
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	13	1.15
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	7	1.15
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	12	1.15
(2,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE2	24	1.15
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	2	1.15
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	2	1.15
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	18	1.15
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	3	1.15
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	17	1.15
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	19	1.15
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	12	1.15
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG22	10	1.15
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG12	12	1.15
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	14	1.15
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	12	1.15
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	17	1.15
(2,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE1	17	1.15
(2,50)	1:9:A:THR:HG22	1:10:A:TYR:HE1	18	1.15
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	11	1.15
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	9	1.15
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	3	1.15
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG23	12	1.15
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	5	1.15
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	7	1.15
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	6	1.15
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	19	1.15
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	20	1.15
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	1	1.15
(1,492)	1:7:A:TYR:H	1:8:A:CYS:H	13	1.15
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	21	1.15
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	6	1.15
(1,474)	1:30:A:ILE:HG22	1:23:A:CYS:HB2	6	1.15
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	23	1.15
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	5	1.15
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	13	1.15
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD12	18	1.15
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	6	1.15
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	5	1.15
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	13	1.15
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	14	1.15
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	13	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	7	1.15
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	12	1.15
(1,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE2	24	1.15
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	2	1.15
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	2	1.15
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	18	1.15
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	3	1.15
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	17	1.15
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	19	1.15
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	12	1.15
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG22	10	1.15
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG12	12	1.15
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	14	1.15
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	12	1.15
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	17	1.15
(1,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE1	17	1.15
(1,50)	1:9:A:THR:HG22	1:10:A:TYR:HE1	18	1.15
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	3	1.14
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	23	1.14
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	1	1.14
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	18	1.14
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	16	1.14
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	14	1.14
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	15	1.14
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD13	5	1.14
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD13	14	1.14
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	19	1.14
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB2	7	1.14
(3,12)	1:36:A:ILE:HB	1:36:A:ILE:HD11	1	1.14
(2,648)	1:18:A:LYS:HG2	1:7:A:TYR:HD1	8	1.14
(2,648)	1:18:A:LYS:HG2	1:7:A:TYR:HD2	19	1.14
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	19	1.14
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG22	8	1.14
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	21	1.14
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	23	1.14
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	15	1.14
(2,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	9	1.14
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	7	1.14
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	17	1.14
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	11	1.14
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	8	1.14
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	3	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	11	1.14
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	17	1.14
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	15	1.14
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	7	1.14
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	4	1.14
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	3	1.14
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	5	1.14
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	21	1.14
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	24	1.14
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	6	1.14
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	11	1.14
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	11	1.14
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	22	1.14
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	20	1.14
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	21	1.14
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	7	1.14
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	13	1.14
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB2	24	1.14
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	5	1.14
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	7	1.14
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB2	17	1.14
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	13	1.14
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	3	1.14
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	8	1.14
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	8	1.14
(2,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	2	1.14
(2,280)	1:6:A:THR:HG23	1:7:A:TYR:HD2	5	1.14
(2,280)	1:6:A:THR:HG22	1:7:A:TYR:HD1	7	1.14
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	5	1.14
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	2	1.14
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG22	18	1.14
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	4	1.14
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	15	1.14
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	16	1.14
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	7	1.14
(1,648)	1:18:A:LYS:HG2	1:7:A:TYR:HD1	8	1.14
(1,648)	1:18:A:LYS:HG2	1:7:A:TYR:HD2	19	1.14
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	19	1.14
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG22	8	1.14
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	21	1.14
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	23	1.14
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	15	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	9	1.14
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	7	1.14
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	17	1.14
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	11	1.14
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	8	1.14
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	3	1.14
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	11	1.14
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	17	1.14
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	15	1.14
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	7	1.14
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	4	1.14
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	3	1.14
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	5	1.14
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	21	1.14
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	24	1.14
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	6	1.14
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	11	1.14
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	11	1.14
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	22	1.14
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	20	1.14
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	21	1.14
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	7	1.14
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	13	1.14
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB2	24	1.14
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	5	1.14
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	7	1.14
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB2	17	1.14
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	13	1.14
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	3	1.14
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	8	1.14
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	8	1.14
(1,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	2	1.14
(1,280)	1:6:A:THR:HG23	1:7:A:TYR:HD2	5	1.14
(1,280)	1:6:A:THR:HG22	1:7:A:TYR:HD1	7	1.14
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	5	1.14
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	2	1.14
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG22	18	1.14
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	4	1.14
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	15	1.14
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	16	1.14
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	7	1.14
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	14	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	19	1.13
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	13	1.13
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	14	1.13
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	7	1.13
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	15	1.13
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	4	1.13
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD13	15	1.13
(3,15)	1:36:A:ILE:HG22	1:38:A:MET:HB2	13	1.13
(3,12)	1:36:A:ILE:HB	1:36:A:ILE:HD11	21	1.13
(2,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	3	1.13
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	24	1.13
(2,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	22	1.13
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	7	1.13
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	12	1.13
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	18	1.13
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	10	1.13
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	24	1.13
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	13	1.13
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	22	1.13
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	24	1.13
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	9	1.13
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	21	1.13
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	23	1.13
(2,484)	1:31:A:CYS:H	1:9:A:THR:H	5	1.13
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	9	1.13
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	19	1.13
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB2	4	1.13
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	14	1.13
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	15	1.13
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	1	1.13
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	5	1.13
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	6	1.13
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	11	1.13
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	18	1.13
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	21	1.13
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB3	10	1.13
(2,319)	1:22:A:SER:H	1:22:A:SER:HB3	7	1.13
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	18	1.13
(2,313)	1:41:A:SER:HB3	1:10:A:TYR:HE2	20	1.13
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	11	1.13
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	8	1.13
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	19	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB3	2	1.13
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	9	1.13
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	2	1.13
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG12	23	1.13
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	5	1.13
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	10	1.13
(2,74)	1:30:A:ILE:HG21	1:10:A:TYR:HE2	12	1.13
(2,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	15	1.13
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	2	1.13
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	12	1.13
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD13	20	1.13
(1,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	3	1.13
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG21	24	1.13
(1,559)	1:39:A:CYS:HB2	1:10:A:TYR:HD1	22	1.13
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	7	1.13
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	12	1.13
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	18	1.13
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	10	1.13
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	24	1.13
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	13	1.13
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	22	1.13
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	24	1.13
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	9	1.13
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	21	1.13
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	23	1.13
(1,484)	1:31:A:CYS:H	1:9:A:THR:H	5	1.13
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	9	1.13
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	19	1.13
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB2	4	1.13
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	14	1.13
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	15	1.13
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	1	1.13
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	5	1.13
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	6	1.13
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	11	1.13
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	18	1.13
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	21	1.13
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB3	10	1.13
(1,319)	1:22:A:SER:H	1:22:A:SER:HB3	7	1.13
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	18	1.13
(1,313)	1:41:A:SER:HB3	1:10:A:TYR:HE2	20	1.13
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	11	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	8	1.13
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	19	1.13
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB3	2	1.13
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	9	1.13
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	2	1.13
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG12	23	1.13
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	5	1.13
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	10	1.13
(1,74)	1:30:A:ILE:HG21	1:10:A:TYR:HE2	12	1.13
(1,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	15	1.13
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	2	1.13
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	12	1.13
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD13	20	1.13
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	3	1.12
(3,70)	1:36:A:ILE:HD12	1:43:A:PHE:HD2	6	1.12
(3,12)	1:36:A:ILE:HB	1:36:A:ILE:HD12	5	1.12
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	18	1.12
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	21	1.12
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	1	1.12
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	20	1.12
(2,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	4	1.12
(2,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	18	1.12
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	20	1.12
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB3	12	1.12
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	15	1.12
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	4	1.12
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	18	1.12
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	8	1.12
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	15	1.12
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	18	1.12
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	6	1.12
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	20	1.12
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	8	1.12
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	18	1.12
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	1	1.12
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	8	1.12
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	8	1.12
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	7	1.12
(2,403)	1:9:A:THR:HG22	1:28:A:LYS:HE3	20	1.12
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	3	1.12
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	9	1.12
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	23	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	14	1.12
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB2	11	1.12
(2,319)	1:22:A:SER:H	1:22:A:SER:HB3	13	1.12
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	1	1.12
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB2	14	1.12
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	21	1.12
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	22	1.12
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	16	1.12
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	6	1.12
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	14	1.12
(2,74)	1:30:A:ILE:HG21	1:10:A:TYR:HE2	1	1.12
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	18	1.12
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	21	1.12
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	1	1.12
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	20	1.12
(1,585)	1:10:A:TYR:H	1:10:A:TYR:HE1	4	1.12
(1,581)	1:10:A:TYR:HA	1:10:A:TYR:HE1	18	1.12
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	20	1.12
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB3	12	1.12
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	15	1.12
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	4	1.12
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	18	1.12
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	8	1.12
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	15	1.12
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	18	1.12
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	6	1.12
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	20	1.12
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	8	1.12
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	18	1.12
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	1	1.12
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	8	1.12
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	8	1.12
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	7	1.12
(1,403)	1:9:A:THR:HG22	1:28:A:LYS:HE3	20	1.12
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	3	1.12
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	9	1.12
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	23	1.12
(1,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	14	1.12
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB2	11	1.12
(1,319)	1:22:A:SER:H	1:22:A:SER:HB3	13	1.12
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	1	1.12
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB2	14	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	21	1.12
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	22	1.12
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	16	1.12
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	6	1.12
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	14	1.12
(1,74)	1:30:A:ILE:HG21	1:10:A:TYR:HE2	1	1.12
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	8	1.11
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	24	1.11
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	15	1.11
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	13	1.11
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD12	21	1.11
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	14	1.11
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	5	1.11
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	14	1.11
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	7	1.11
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	2	1.11
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	23	1.11
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	9	1.11
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	16	1.11
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	19	1.11
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	21	1.11
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	22	1.11
(2,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	14	1.11
(2,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	18	1.11
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB3	2	1.11
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD11	16	1.11
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	17	1.11
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	6	1.11
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE1	21	1.11
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB3	23	1.11
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	2	1.11
(2,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	22	1.11
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB2	8	1.11
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	9	1.11
(2,319)	1:22:A:SER:H	1:22:A:SER:HB3	11	1.11
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	12	1.11
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	13	1.11
(2,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	8	1.11
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	15	1.11
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	14	1.11
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	10	1.11
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	23	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	1	1.11
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	12	1.11
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB3	9	1.11
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	14	1.11
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG2	12	1.11
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	4	1.11
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG12	7	1.11
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	1	1.11
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	4	1.11
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	14	1.11
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	5	1.11
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	14	1.11
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	7	1.11
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	2	1.11
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	23	1.11
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	9	1.11
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	16	1.11
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	19	1.11
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	21	1.11
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	22	1.11
(1,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	14	1.11
(1,467)	1:23:A:CYS:HB3	1:26:A:CYS:HB3	18	1.11
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB3	2	1.11
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD11	16	1.11
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	17	1.11
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	6	1.11
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE1	21	1.11
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB3	23	1.11
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	2	1.11
(1,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	22	1.11
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB2	8	1.11
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	9	1.11
(1,319)	1:22:A:SER:H	1:22:A:SER:HB3	11	1.11
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	12	1.11
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	13	1.11
(1,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	8	1.11
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	15	1.11
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	14	1.11
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	10	1.11
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	23	1.11
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	1	1.11
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	12	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB3	9	1.11
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	14	1.11
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG2	12	1.11
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	4	1.11
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG12	7	1.11
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	1	1.11
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	4	1.11
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD11	2	1.1
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	5	1.1
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	22	1.1
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	14	1.1
(2,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	5	1.1
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	7	1.1
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	11	1.1
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	16	1.1
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	9	1.1
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	6	1.1
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB3	13	1.1
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB1	1	1.1
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	4	1.1
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	17	1.1
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	22	1.1
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG22	11	1.1
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG21	8	1.1
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	10	1.1
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	20	1.1
(2,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	13	1.1
(2,474)	1:30:A:ILE:HG21	1:23:A:CYS:HB2	19	1.1
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG23	6	1.1
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	23	1.1
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	6	1.1
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	2	1.1
(2,403)	1:9:A:THR:HG21	1:28:A:LYS:HE2	7	1.1
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB3	1	1.1
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB3	10	1.1
(2,386)	1:29:A:VAL:H	1:22:A:SER:HB2	11	1.1
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	17	1.1
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	23	1.1
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	15	1.1
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	2	1.1
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB3	7	1.1
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG23	1	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB2	22	1.1
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	13	1.1
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	4	1.1
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB3	5	1.1
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB3	24	1.1
(2,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE1	19	1.1
(2,49)	1:9:A:THR:HG23	1:10:A:TYR:HD2	11	1.1
(1,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	5	1.1
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	7	1.1
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	11	1.1
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	16	1.1
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	9	1.1
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	6	1.1
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB3	13	1.1
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB1	1	1.1
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	4	1.1
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	17	1.1
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	22	1.1
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG22	11	1.1
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG21	8	1.1
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	10	1.1
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	20	1.1
(1,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	13	1.1
(1,474)	1:30:A:ILE:HG21	1:23:A:CYS:HB2	19	1.1
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG23	6	1.1
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	23	1.1
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	6	1.1
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	2	1.1
(1,403)	1:9:A:THR:HG21	1:28:A:LYS:HE2	7	1.1
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB3	1	1.1
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB3	10	1.1
(1,386)	1:29:A:VAL:H	1:22:A:SER:HB2	11	1.1
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	17	1.1
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	23	1.1
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	15	1.1
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	2	1.1
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB3	7	1.1
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG23	1	1.1
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB2	22	1.1
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	13	1.1
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	4	1.1
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB3	5	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB3	24	1.1
(1,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE1	19	1.1
(1,49)	1:9:A:THR:HG23	1:10:A:TYR:HD2	11	1.1
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	19	1.09
(3,65)	1:43:A:PHE:H	1:25:A:LYS:HB3	17	1.09
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	12	1.09
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG13	24	1.09
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	21	1.09
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD12	18	1.09
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD1	9	1.09
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	6	1.09
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	20	1.09
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	19	1.09
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB2	20	1.09
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	2	1.09
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	14	1.09
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	19	1.09
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	15	1.09
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	22	1.09
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	1	1.09
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	3	1.09
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	24	1.09
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	7	1.09
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	17	1.09
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	1	1.09
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	17	1.09
(2,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	19	1.09
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	18	1.09
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	16	1.09
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD11	12	1.09
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	2	1.09
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	18	1.09
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB1	18	1.09
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	5	1.09
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	16	1.09
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	24	1.09
(2,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE2	5	1.09
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	7	1.09
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	10	1.09
(2,319)	1:22:A:SER:H	1:22:A:SER:HB3	3	1.09
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD12	7	1.09
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	15	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	4	1.09
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	2	1.09
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	18	1.09
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	19	1.09
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB3	10	1.09
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	18	1.09
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	16	1.09
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	8	1.09
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	8	1.09
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	8	1.09
(2,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	12	1.09
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	20	1.09
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	2	1.09
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	2	1.09
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	18	1.09
(2,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE1	19	1.09
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	20	1.09
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	6	1.09
(2,46)	1:6:A:THR:HG23	1:7:A:TYR:HE1	22	1.09
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD1	9	1.09
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	6	1.09
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	20	1.09
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	19	1.09
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB2	20	1.09
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	2	1.09
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	14	1.09
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	19	1.09
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	15	1.09
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	22	1.09
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	1	1.09
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	3	1.09
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	24	1.09
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	7	1.09
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	17	1.09
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	1	1.09
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	17	1.09
(1,461)	1:11:A:CYS:HA	1:12:A:PRO:HG3	19	1.09
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	18	1.09
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	16	1.09
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD11	12	1.09
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	2	1.09
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	18	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB1	18	1.09
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	5	1.09
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	16	1.09
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	24	1.09
(1,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE2	5	1.09
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	7	1.09
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	10	1.09
(1,319)	1:22:A:SER:H	1:22:A:SER:HB3	3	1.09
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD12	7	1.09
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	15	1.09
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	4	1.09
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	2	1.09
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	18	1.09
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB2	19	1.09
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB3	10	1.09
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	18	1.09
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	16	1.09
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE1	8	1.09
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	8	1.09
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	8	1.09
(1,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	12	1.09
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	20	1.09
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	2	1.09
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	2	1.09
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	18	1.09
(1,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE1	19	1.09
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	20	1.09
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	6	1.09
(1,46)	1:6:A:THR:HG23	1:7:A:TYR:HE1	22	1.09
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD12	10	1.08
(3,56)	1:42:A:CYS:HB3	1:43:A:PHE:HD2	15	1.08
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	6	1.08
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	11	1.08
(2,619)	1:29:A:VAL:HG12	1:5:A:ARG:HD3	24	1.08
(2,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD21	19	1.08
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	23	1.08
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	10	1.08
(2,568)	1:19:A:ALA:HB2	1:31:A:CYS:HB3	17	1.08
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	23	1.08
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB1	10	1.08
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	13	1.08
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	20	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	20	1.08
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB3	5	1.08
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	19	1.08
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	12	1.08
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	17	1.08
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	4	1.08
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	16	1.08
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	19	1.08
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	2	1.08
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	19	1.08
(2,403)	1:9:A:THR:HG21	1:28:A:LYS:HE3	8	1.08
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	4	1.08
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	20	1.08
(2,319)	1:22:A:SER:H	1:22:A:SER:HB3	6	1.08
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	17	1.08
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	2	1.08
(2,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	6	1.08
(2,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	15	1.08
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	1	1.08
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG22	11	1.08
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB3	5	1.08
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	18	1.08
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG22	6	1.08
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	16	1.08
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	5	1.08
(2,49)	1:9:A:THR:HG21	1:10:A:TYR:HD2	6	1.08
(1,619)	1:29:A:VAL:HG12	1:5:A:ARG:HD3	24	1.08
(1,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD21	19	1.08
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	23	1.08
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	10	1.08
(1,568)	1:19:A:ALA:HB2	1:31:A:CYS:HB3	17	1.08
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	23	1.08
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB1	10	1.08
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	13	1.08
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	20	1.08
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	20	1.08
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB3	5	1.08
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	19	1.08
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	12	1.08
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	17	1.08
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	4	1.08
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	16	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	19	1.08
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	2	1.08
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	19	1.08
(1,403)	1:9:A:THR:HG21	1:28:A:LYS:HE3	8	1.08
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	4	1.08
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	20	1.08
(1,319)	1:22:A:SER:H	1:22:A:SER:HB3	6	1.08
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	17	1.08
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	2	1.08
(1,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	6	1.08
(1,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	15	1.08
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	1	1.08
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG22	11	1.08
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB3	5	1.08
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	18	1.08
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG22	6	1.08
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	16	1.08
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	5	1.08
(1,49)	1:9:A:THR:HG21	1:10:A:TYR:HD2	6	1.08
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	21	1.07
(3,70)	1:36:A:ILE:HD13	1:43:A:PHE:HD2	16	1.07
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB2	11	1.07
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD2	5	1.07
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	8	1.07
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD13	21	1.07
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	24	1.07
(2,554)	1:9:A:THR:H	1:29:A:VAL:HB	3	1.07
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	18	1.07
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD12	6	1.07
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	11	1.07
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	1	1.07
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	23	1.07
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	10	1.07
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	11	1.07
(2,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	23	1.07
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG22	21	1.07
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	19	1.07
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	7	1.07
(2,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	17	1.07
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	13	1.07
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	14	1.07
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	15	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	3	1.07
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	17	1.07
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	18	1.07
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	5	1.07
(2,280)	1:6:A:THR:HG23	1:7:A:TYR:HD1	23	1.07
(2,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB2	9	1.07
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	6	1.07
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG2	1	1.07
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG22	5	1.07
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	20	1.07
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	8	1.07
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	8	1.07
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	19	1.07
(2,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE1	8	1.07
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	17	1.07
(2,49)	1:9:A:THR:HG23	1:10:A:TYR:HD1	21	1.07
(1,554)	1:9:A:THR:H	1:29:A:VAL:HB	3	1.07
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	18	1.07
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD12	6	1.07
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	11	1.07
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	1	1.07
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	23	1.07
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	10	1.07
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	11	1.07
(1,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	23	1.07
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG22	21	1.07
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	19	1.07
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	7	1.07
(1,412)	1:34:A:HIS:HD2	1:10:A:TYR:HD2	17	1.07
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	13	1.07
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	14	1.07
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	15	1.07
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	3	1.07
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	17	1.07
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	18	1.07
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	5	1.07
(1,280)	1:6:A:THR:HG23	1:7:A:TYR:HD1	23	1.07
(1,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB2	9	1.07
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	6	1.07
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG2	1	1.07
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG22	5	1.07
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	20	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	8	1.07
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	8	1.07
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	19	1.07
(1,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE1	8	1.07
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	17	1.07
(1,49)	1:9:A:THR:HG23	1:10:A:TYR:HD1	21	1.07
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	18	1.06
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	20	1.06
(3,61)	1:25:A:LYS:HG3	1:43:A:PHE:HE2	21	1.06
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	10	1.06
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	8	1.06
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	17	1.06
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD11	5	1.06
(2,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD3	22	1.06
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG22	16	1.06
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	18	1.06
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD22	22	1.06
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	6	1.06
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	9	1.06
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	10	1.06
(2,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	20	1.06
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	22	1.06
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB3	17	1.06
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	23	1.06
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	12	1.06
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	7	1.06
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	11	1.06
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	6	1.06
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	3	1.06
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	18	1.06
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	8	1.06
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	15	1.06
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	23	1.06
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	22	1.06
(2,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD13	21	1.06
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	6	1.06
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	9	1.06
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	19	1.06
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	11	1.06
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	13	1.06
(2,280)	1:6:A:THR:HG23	1:7:A:TYR:HD1	19	1.06
(2,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB3	23	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	4	1.06
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	20	1.06
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	10	1.06
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG23	11	1.06
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG23	22	1.06
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG2	10	1.06
(2,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB3	6	1.06
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	10	1.06
(2,6)	1:42:A:CYS:H	1:42:A:CYS:HB3	7	1.06
(1,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD3	22	1.06
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG22	16	1.06
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	18	1.06
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD22	22	1.06
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	6	1.06
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	9	1.06
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	10	1.06
(1,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	20	1.06
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	22	1.06
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB3	17	1.06
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	23	1.06
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	12	1.06
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	7	1.06
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	11	1.06
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	6	1.06
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	3	1.06
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	18	1.06
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	8	1.06
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	15	1.06
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	23	1.06
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	22	1.06
(1,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD13	21	1.06
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	6	1.06
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	9	1.06
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	19	1.06
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	11	1.06
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	13	1.06
(1,280)	1:6:A:THR:HG23	1:7:A:TYR:HD1	19	1.06
(1,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB3	23	1.06
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	4	1.06
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	20	1.06
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	10	1.06
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG23	11	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG23	22	1.06
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG2	10	1.06
(1,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB3	6	1.06
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	10	1.06
(1,6)	1:42:A:CYS:H	1:42:A:CYS:HB3	7	1.06
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	13	1.05
(3,91)	1:36:A:ILE:HD12	1:38:A:MET:HG3	12	1.05
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE2	5	1.05
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	9	1.05
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD12	10	1.05
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD2	7	1.05
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	2	1.05
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG22	7	1.05
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	20	1.05
(2,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD3	17	1.05
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	1	1.05
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	1	1.05
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG23	23	1.05
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	11	1.05
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	22	1.05
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	24	1.05
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	13	1.05
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	2	1.05
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	8	1.05
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	6	1.05
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	17	1.05
(2,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	6	1.05
(2,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	22	1.05
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	11	1.05
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	20	1.05
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	2	1.05
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB2	24	1.05
(2,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	2	1.05
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG2	20	1.05
(2,426)	1:22:A:SER:H	1:29:A:VAL:HA	8	1.05
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	17	1.05
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB1	11	1.05
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB2	19	1.05
(2,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	18	1.05
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	21	1.05
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	8	1.05
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	10	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	5	1.05
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	3	1.05
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	15	1.05
(2,282)	1:15:A:ILE:HD13	1:12:A:PRO:HB2	21	1.05
(2,280)	1:6:A:THR:HG21	1:7:A:TYR:HD1	18	1.05
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB3	8	1.05
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	14	1.05
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	3	1.05
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	8	1.05
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	13	1.05
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	14	1.05
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG12	19	1.05
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	6	1.05
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	13	1.05
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	22	1.05
(2,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	6	1.05
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	4	1.05
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	16	1.05
(2,49)	1:9:A:THR:HG23	1:10:A:TYR:HD1	8	1.05
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	7	1.05
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	24	1.05
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG22	7	1.05
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	20	1.05
(1,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD3	17	1.05
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	1	1.05
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	1	1.05
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG23	23	1.05
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	11	1.05
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	22	1.05
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	24	1.05
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	13	1.05
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	2	1.05
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	8	1.05
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	6	1.05
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	17	1.05
(1,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	6	1.05
(1,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	22	1.05
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	11	1.05
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	20	1.05
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	2	1.05
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB2	24	1.05
(1,447)	1:17:A:ARG:H	1:7:A:TYR:HE2	2	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG2	20	1.05
(1,426)	1:22:A:SER:H	1:29:A:VAL:HA	8	1.05
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	17	1.05
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB1	11	1.05
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB2	19	1.05
(1,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	18	1.05
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	21	1.05
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	8	1.05
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	10	1.05
(1,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	5	1.05
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	3	1.05
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	15	1.05
(1,282)	1:15:A:ILE:HD13	1:12:A:PRO:HB2	21	1.05
(1,280)	1:6:A:THR:HG21	1:7:A:TYR:HD1	18	1.05
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB3	8	1.05
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	14	1.05
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	3	1.05
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	8	1.05
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	13	1.05
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	14	1.05
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG12	19	1.05
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	6	1.05
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	13	1.05
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	22	1.05
(1,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	6	1.05
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	4	1.05
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	16	1.05
(1,49)	1:9:A:THR:HG23	1:10:A:TYR:HD1	8	1.05
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	7	1.05
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	24	1.05
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	7	1.04
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG12	18	1.04
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE2	3	1.04
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	21	1.04
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	5	1.04
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	8	1.04
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	16	1.04
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB3	24	1.04
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	9	1.04
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	3	1.04
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD11	1	1.04
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	21	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	11	1.04
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	23	1.04
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	7	1.04
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	16	1.04
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	4	1.04
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG22	7	1.04
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	5	1.04
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	18	1.04
(2,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	8	1.04
(2,474)	1:30:A:ILE:HG21	1:23:A:CYS:HB2	1	1.04
(2,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	17	1.04
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG23	1	1.04
(2,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	15	1.04
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	23	1.04
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	1	1.04
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	15	1.04
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG21	5	1.04
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	3	1.04
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	2	1.04
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	3	1.04
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	12	1.04
(2,319)	1:22:A:SER:H	1:22:A:SER:HB3	23	1.04
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	20	1.04
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	20	1.04
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	17	1.04
(2,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	8	1.04
(2,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	18	1.04
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	20	1.04
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	18	1.04
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	9	1.04
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	11	1.04
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD11	17	1.04
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	15	1.04
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	23	1.04
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	5	1.04
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB3	19	1.04
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	2	1.04
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	16	1.04
(2,49)	1:9:A:THR:HG21	1:10:A:TYR:HD1	4	1.04
(2,49)	1:9:A:THR:HG23	1:10:A:TYR:HD1	10	1.04
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	21	1.04
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	5	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	8	1.04
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	16	1.04
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB3	24	1.04
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	9	1.04
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	3	1.04
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD11	1	1.04
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	21	1.04
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	11	1.04
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	23	1.04
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	7	1.04
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	16	1.04
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	4	1.04
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG22	7	1.04
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	5	1.04
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	18	1.04
(1,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	8	1.04
(1,474)	1:30:A:ILE:HG21	1:23:A:CYS:HB2	1	1.04
(1,474)	1:30:A:ILE:HG23	1:23:A:CYS:HB2	17	1.04
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG23	1	1.04
(1,438)	1:11:A:CYS:H	1:12:A:PRO:HD3	15	1.04
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	23	1.04
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	1	1.04
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	15	1.04
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG21	5	1.04
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	3	1.04
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	2	1.04
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	3	1.04
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	12	1.04
(1,319)	1:22:A:SER:H	1:22:A:SER:HB3	23	1.04
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	20	1.04
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	20	1.04
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	17	1.04
(1,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	8	1.04
(1,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	18	1.04
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	20	1.04
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	18	1.04
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	9	1.04
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	11	1.04
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD11	17	1.04
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	15	1.04
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	23	1.04
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	5	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB3	19	1.04
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	2	1.04
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	16	1.04
(1,49)	1:9:A:THR:HG21	1:10:A:TYR:HD1	4	1.04
(1,49)	1:9:A:THR:HG23	1:10:A:TYR:HD1	10	1.04
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	9	1.03
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	20	1.03
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD2	13	1.03
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD2	21	1.03
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG3	3	1.03
(2,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD2	10	1.03
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	21	1.03
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	16	1.03
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	11	1.03
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	6	1.03
(2,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	20	1.03
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	20	1.03
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	19	1.03
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	15	1.03
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	20	1.03
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	5	1.03
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	4	1.03
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	15	1.03
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB3	10	1.03
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	5	1.03
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	13	1.03
(2,390)	1:19:A:ALA:H	1:29:A:VAL:HG22	9	1.03
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	21	1.03
(2,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	12	1.03
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB3	20	1.03
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	10	1.03
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	1	1.03
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB2	4	1.03
(2,319)	1:22:A:SER:H	1:22:A:SER:HB3	9	1.03
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD12	14	1.03
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	24	1.03
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	24	1.03
(2,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	17	1.03
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB2	23	1.03
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB3	1	1.03
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	17	1.03
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	11	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	10	1.03
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG12	4	1.03
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	3	1.03
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	11	1.03
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	23	1.03
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	13	1.03
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD13	6	1.03
(1,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD2	10	1.03
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	21	1.03
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	16	1.03
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	11	1.03
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	6	1.03
(1,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	20	1.03
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	20	1.03
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	19	1.03
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	15	1.03
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	20	1.03
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	5	1.03
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	4	1.03
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	15	1.03
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB3	10	1.03
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	5	1.03
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	13	1.03
(1,390)	1:19:A:ALA:H	1:29:A:VAL:HG22	9	1.03
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	21	1.03
(1,382)	1:12:A:PRO:HA	1:12:A:PRO:HD3	12	1.03
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB3	20	1.03
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	10	1.03
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	1	1.03
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB2	4	1.03
(1,319)	1:22:A:SER:H	1:22:A:SER:HB3	9	1.03
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD12	14	1.03
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	24	1.03
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD1	24	1.03
(1,283)	1:34:A:HIS:HD2	1:10:A:TYR:HB3	17	1.03
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB2	23	1.03
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB3	1	1.03
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	17	1.03
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	11	1.03
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	10	1.03
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG12	4	1.03
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	3	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	11	1.03
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	23	1.03
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	13	1.03
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD13	6	1.03
(3,86)	1:35:A:ASN:HA	1:36:A:ILE:HB	7	1.02
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	15	1.02
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	6	1.02
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG3	23	1.02
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD13	3	1.02
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	13	1.02
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	5	1.02
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	11	1.02
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG21	15	1.02
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	2	1.02
(2,545)	1:15:A:ILE:HG21	1:17:A:ARG:HD3	1	1.02
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	9	1.02
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	7	1.02
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	14	1.02
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	20	1.02
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	3	1.02
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	9	1.02
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	13	1.02
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG22	15	1.02
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	21	1.02
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG23	23	1.02
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	23	1.02
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	14	1.02
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	17	1.02
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	17	1.02
(2,403)	1:9:A:THR:HG22	1:28:A:LYS:HE3	5	1.02
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	4	1.02
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	20	1.02
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	13	1.02
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	13	1.02
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	15	1.02
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	14	1.02
(2,319)	1:22:A:SER:H	1:22:A:SER:HB3	12	1.02
(2,319)	1:22:A:SER:H	1:22:A:SER:HB3	21	1.02
(2,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	1	1.02
(2,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	7	1.02
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	13	1.02
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	20	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	9	1.02
(2,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	17	1.02
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD11	3	1.02
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	4	1.02
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	7	1.02
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG23	9	1.02
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	17	1.02
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	3	1.02
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	1	1.02
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	15	1.02
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	17	1.02
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	8	1.02
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	21	1.02
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	8	1.02
(2,49)	1:9:A:THR:HG23	1:10:A:TYR:HD2	9	1.02
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	13	1.02
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	5	1.02
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	11	1.02
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG21	15	1.02
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	2	1.02
(1,545)	1:15:A:ILE:HG21	1:17:A:ARG:HD3	1	1.02
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	9	1.02
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	7	1.02
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	14	1.02
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	20	1.02
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	3	1.02
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	9	1.02
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	13	1.02
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG22	15	1.02
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	21	1.02
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG23	23	1.02
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	23	1.02
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	14	1.02
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	17	1.02
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	17	1.02
(1,403)	1:9:A:THR:HG22	1:28:A:LYS:HE3	5	1.02
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	4	1.02
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	20	1.02
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	13	1.02
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	13	1.02
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	15	1.02
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	14	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,319)	1:22:A:SER:H	1:22:A:SER:HB3	12	1.02
(1,319)	1:22:A:SER:H	1:22:A:SER:HB3	21	1.02
(1,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	1	1.02
(1,300)	1:34:A:HIS:HE1	1:10:A:TYR:HD2	7	1.02
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	13	1.02
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	20	1.02
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	9	1.02
(1,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	17	1.02
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD11	3	1.02
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG22	4	1.02
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	7	1.02
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG23	9	1.02
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	17	1.02
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	3	1.02
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	1	1.02
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	15	1.02
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	17	1.02
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	8	1.02
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	21	1.02
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	8	1.02
(1,49)	1:9:A:THR:HG23	1:10:A:TYR:HD2	9	1.02
(3,91)	1:36:A:ILE:HD11	1:38:A:MET:HG2	2	1.01
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	24	1.01
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG3	19	1.01
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	20	1.01
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	9	1.01
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	8	1.01
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	9	1.01
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB3	16	1.01
(2,542)	1:37:A:ASP:HA	1:38:A:MET:HA	8	1.01
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	23	1.01
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	15	1.01
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG22	22	1.01
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	10	1.01
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	1	1.01
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	18	1.01
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	24	1.01
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	23	1.01
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB2	16	1.01
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	9	1.01
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	18	1.01
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	21	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	10	1.01
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB3	9	1.01
(2,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	1	1.01
(2,347)	1:24:A:LYS:H	1:39:A:CYS:H	19	1.01
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	4	1.01
(2,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	14	1.01
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	12	1.01
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	13	1.01
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	21	1.01
(2,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	23	1.01
(2,280)	1:6:A:THR:HG21	1:7:A:TYR:HD1	3	1.01
(2,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB3	21	1.01
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB3	21	1.01
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	13	1.01
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	11	1.01
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	7	1.01
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	8	1.01
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	9	1.01
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	12	1.01
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	16	1.01
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	21	1.01
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	15	1.01
(2,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE1	21	1.01
(2,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE1	10	1.01
(2,74)	1:30:A:ILE:HG21	1:10:A:TYR:HE1	21	1.01
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	2	1.01
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	16	1.01
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	22	1.01
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	23	1.01
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG23	9	1.01
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	8	1.01
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	9	1.01
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB3	16	1.01
(1,542)	1:37:A:ASP:HA	1:38:A:MET:HA	8	1.01
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	23	1.01
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	15	1.01
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG22	22	1.01
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	10	1.01
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	1	1.01
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	18	1.01
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	24	1.01
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG21	23	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB2	16	1.01
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	9	1.01
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	18	1.01
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	21	1.01
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	10	1.01
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB3	9	1.01
(1,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	1	1.01
(1,347)	1:24:A:LYS:H	1:39:A:CYS:H	19	1.01
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	4	1.01
(1,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	14	1.01
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	12	1.01
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	13	1.01
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	21	1.01
(1,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	23	1.01
(1,280)	1:6:A:THR:HG21	1:7:A:TYR:HD1	3	1.01
(1,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB3	21	1.01
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB3	21	1.01
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	13	1.01
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	11	1.01
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	7	1.01
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	8	1.01
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	9	1.01
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	12	1.01
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	16	1.01
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	21	1.01
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	15	1.01
(1,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE1	21	1.01
(1,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE1	10	1.01
(1,74)	1:30:A:ILE:HG21	1:10:A:TYR:HE1	21	1.01
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	2	1.01
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	16	1.01
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	22	1.01
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	23	1.01
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG13	16	1.0
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	3	1.0
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG22	16	1.0
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD2	7	1.0
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	15	1.0
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD2	16	1.0
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	17	1.0
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD2	19	1.0
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG3	2	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG3	5	1.0
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG3	6	1.0
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG3	12	1.0
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	4	1.0
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	10	1.0
(2,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD3	4	1.0
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	1	1.0
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	3	1.0
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	1	1.0
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	8	1.0
(2,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	18	1.0
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	10	1.0
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB1	5	1.0
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	7	1.0
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	8	1.0
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	5	1.0
(2,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	9	1.0
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG21	2	1.0
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG23	16	1.0
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	23	1.0
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	12	1.0
(2,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	14	1.0
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	20	1.0
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	24	1.0
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	17	1.0
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	22	1.0
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	10	1.0
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB3	22	1.0
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	15	1.0
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	24	1.0
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	18	1.0
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	10	1.0
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	14	1.0
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	10	1.0
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	22	1.0
(2,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	5	1.0
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	13	1.0
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB3	10	1.0
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	8	1.0
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	10	1.0
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	3	1.0
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB3	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	12	1.0
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG21	6	1.0
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB2	17	1.0
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	2	1.0
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	4	1.0
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	4	1.0
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	13	1.0
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	20	1.0
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	22	1.0
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	11	1.0
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	23	1.0
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	21	1.0
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	4	1.0
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	10	1.0
(1,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD3	4	1.0
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	1	1.0
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	3	1.0
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	1	1.0
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	8	1.0
(1,573)	1:23:A:CYS:HA	1:24:A:LYS:HB2	18	1.0
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	10	1.0
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB1	5	1.0
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	7	1.0
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	8	1.0
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	5	1.0
(1,499)	1:15:A:ILE:H	1:12:A:PRO:HG2	9	1.0
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG21	2	1.0
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG23	16	1.0
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	23	1.0
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	12	1.0
(1,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	14	1.0
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	20	1.0
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	24	1.0
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	17	1.0
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	22	1.0
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	10	1.0
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB3	22	1.0
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	15	1.0
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	24	1.0
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	18	1.0
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	10	1.0
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	14	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	10	1.0
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	22	1.0
(1,285)	1:34:A:HIS:HE1	1:11:A:CYS:HB3	5	1.0
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	13	1.0
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB3	10	1.0
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	8	1.0
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	10	1.0
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	3	1.0
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB3	6	1.0
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	12	1.0
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG21	6	1.0
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB2	17	1.0
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	2	1.0
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	4	1.0
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	4	1.0
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	13	1.0
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	20	1.0
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	22	1.0
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	11	1.0
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	23	1.0
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	21	1.0
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	10	0.99
(3,70)	1:36:A:ILE:HD13	1:43:A:PHE:HD2	20	0.99
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	10	0.99
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD13	12	0.99
(2,648)	1:18:A:LYS:HG2	1:7:A:TYR:HD1	10	0.99
(2,619)	1:29:A:VAL:HG12	1:5:A:ARG:HD3	9	0.99
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	20	0.99
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	21	0.99
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	16	0.99
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	22	0.99
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	24	0.99
(2,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	10	0.99
(2,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD3	9	0.99
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	3	0.99
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	11	0.99
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	10	0.99
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB3	15	0.99
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	5	0.99
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	6	0.99
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	17	0.99
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	22	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB1	6	0.99
(2,362)	1:15:A:ILE:HD13	1:12:A:PRO:HD2	21	0.99
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	11	0.99
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	22	0.99
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB2	24	0.99
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	2	0.99
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD12	22	0.99
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	22	0.99
(2,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD13	18	0.99
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	7	0.99
(2,282)	1:15:A:ILE:HD13	1:12:A:PRO:HB2	4	0.99
(2,280)	1:6:A:THR:HG22	1:7:A:TYR:HD1	22	0.99
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	3	0.99
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	10	0.99
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	11	0.99
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	12	0.99
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	6	0.99
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	4	0.99
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	17	0.99
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG23	10	0.99
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	16	0.99
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	20	0.99
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	1	0.99
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	6	0.99
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	7	0.99
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	10	0.99
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	18	0.99
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	24	0.99
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB2	12	0.99
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	24	0.99
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	15	0.99
(2,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE1	4	0.99
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD12	10	0.99
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	2	0.99
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	3	0.99
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	24	0.99
(1,648)	1:18:A:LYS:HG2	1:7:A:TYR:HD1	10	0.99
(1,619)	1:29:A:VAL:HG12	1:5:A:ARG:HD3	9	0.99
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	20	0.99
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	21	0.99
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	16	0.99
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	22	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	24	0.99
(1,551)	1:23:A:CYS:H	1:39:A:CYS:HB3	10	0.99
(1,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD3	9	0.99
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	3	0.99
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	11	0.99
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	10	0.99
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB3	15	0.99
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	5	0.99
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	6	0.99
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	17	0.99
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	22	0.99
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB1	6	0.99
(1,362)	1:15:A:ILE:HD13	1:12:A:PRO:HD2	21	0.99
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	11	0.99
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	22	0.99
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB2	24	0.99
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	2	0.99
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD12	22	0.99
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	22	0.99
(1,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD13	18	0.99
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	7	0.99
(1,282)	1:15:A:ILE:HD13	1:12:A:PRO:HB2	4	0.99
(1,280)	1:6:A:THR:HG22	1:7:A:TYR:HD1	22	0.99
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	3	0.99
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	10	0.99
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	11	0.99
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	12	0.99
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	6	0.99
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	4	0.99
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	17	0.99
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG23	10	0.99
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG12	16	0.99
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	20	0.99
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	1	0.99
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	6	0.99
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	7	0.99
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	10	0.99
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	18	0.99
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	24	0.99
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB2	12	0.99
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	24	0.99
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	15	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:30:A:ILE:HG22	1:10:A:TYR:HE1	4	0.99
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD12	10	0.99
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	2	0.99
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	3	0.99
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	24	0.99
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	23	0.98
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD11	2	0.98
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	18	0.98
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	3	0.98
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG3	9	0.98
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD13	1	0.98
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	12	0.98
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	13	0.98
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	10	0.98
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	20	0.98
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	19	0.98
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB1	15	0.98
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD22	8	0.98
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	22	0.98
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	22	0.98
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	5	0.98
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	6	0.98
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	2	0.98
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	13	0.98
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG22	7	0.98
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	16	0.98
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB3	5	0.98
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	15	0.98
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	7	0.98
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	6	0.98
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	10	0.98
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	1	0.98
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	22	0.98
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	2	0.98
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	4	0.98
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	12	0.98
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	17	0.98
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	17	0.98
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	7	0.98
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	22	0.98
(2,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	2	0.98
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	10	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	12	0.98
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	14	0.98
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	18	0.98
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	19	0.98
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	21	0.98
(2,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	1	0.98
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB2	24	0.98
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB3	17	0.98
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	5	0.98
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	7	0.98
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	19	0.98
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	9	0.98
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	20	0.98
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	23	0.98
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG21	5	0.98
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	24	0.98
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	14	0.98
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	14	0.98
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	12	0.98
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	10	0.98
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	20	0.98
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	22	0.98
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	20	0.98
(2,49)	1:9:A:THR:HG22	1:10:A:TYR:HD2	23	0.98
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	4	0.98
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	12	0.98
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	13	0.98
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	10	0.98
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	20	0.98
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	19	0.98
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB1	15	0.98
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD22	8	0.98
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	22	0.98
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	22	0.98
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	5	0.98
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	6	0.98
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	2	0.98
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	13	0.98
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG22	7	0.98
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	16	0.98
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB3	5	0.98
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	15	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	7	0.98
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	6	0.98
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	10	0.98
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	1	0.98
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	22	0.98
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	2	0.98
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	4	0.98
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	12	0.98
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	17	0.98
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	17	0.98
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	7	0.98
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	22	0.98
(1,291)	1:9:A:THR:HA	1:10:A:TYR:HD2	2	0.98
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	10	0.98
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	12	0.98
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	14	0.98
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	18	0.98
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	19	0.98
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	21	0.98
(1,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	1	0.98
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB2	24	0.98
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB3	17	0.98
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	5	0.98
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	7	0.98
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB2	19	0.98
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	9	0.98
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	20	0.98
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	23	0.98
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG21	5	0.98
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	24	0.98
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	14	0.98
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	14	0.98
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	12	0.98
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	10	0.98
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	20	0.98
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	22	0.98
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	20	0.98
(1,49)	1:9:A:THR:HG22	1:10:A:TYR:HD2	23	0.98
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	4	0.98
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG22	14	0.97
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	5	0.97
(3,43)	1:27:A:LYS:H	1:25:A:LYS:HB3	21	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	22	0.97
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG22	22	0.97
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	3	0.97
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	8	0.97
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE1	9	0.97
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	2	0.97
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	11	0.97
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	16	0.97
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	22	0.97
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	18	0.97
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB1	23	0.97
(2,537)	1:29:A:VAL:H	1:22:A:SER:HA	8	0.97
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	11	0.97
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	13	0.97
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	21	0.97
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	5	0.97
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	14	0.97
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	22	0.97
(2,473)	1:30:A:ILE:HG23	1:34:A:HIS:HB3	6	0.97
(2,473)	1:30:A:ILE:HG23	1:34:A:HIS:HB3	10	0.97
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	20	0.97
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	21	0.97
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	15	0.97
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	9	0.97
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	3	0.97
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	18	0.97
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	22	0.97
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	16	0.97
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	2	0.97
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	6	0.97
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	19	0.97
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	10	0.97
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	5	0.97
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	17	0.97
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	9	0.97
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	7	0.97
(2,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB3	11	0.97
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	17	0.97
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	15	0.97
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB3	23	0.97
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	11	0.97
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG2	11	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	24	0.97
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	15	0.97
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	24	0.97
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	2	0.97
(2,147)	1:29:A:VAL:H	1:30:A:ILE:H	19	0.97
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB2	18	0.97
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	8	0.97
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG22	22	0.97
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	3	0.97
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	8	0.97
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE1	9	0.97
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG22	2	0.97
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	11	0.97
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	16	0.97
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	22	0.97
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	18	0.97
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB1	23	0.97
(1,537)	1:29:A:VAL:H	1:22:A:SER:HA	8	0.97
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	11	0.97
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	13	0.97
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	21	0.97
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	5	0.97
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	14	0.97
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	22	0.97
(1,473)	1:30:A:ILE:HG23	1:34:A:HIS:HB3	6	0.97
(1,473)	1:30:A:ILE:HG23	1:34:A:HIS:HB3	10	0.97
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	20	0.97
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	21	0.97
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	15	0.97
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	9	0.97
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	3	0.97
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	18	0.97
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	22	0.97
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	16	0.97
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	2	0.97
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	6	0.97
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	19	0.97
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	10	0.97
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	5	0.97
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	17	0.97
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	9	0.97
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB1	7	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB3	11	0.97
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	17	0.97
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	15	0.97
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB3	23	0.97
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	11	0.97
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG2	11	0.97
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	24	0.97
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	15	0.97
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG11	24	0.97
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	2	0.97
(1,147)	1:29:A:VAL:H	1:30:A:ILE:H	19	0.97
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB2	18	0.97
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	8	0.97
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	17	0.96
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD2	21	0.96
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB3	21	0.96
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD13	9	0.96
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	4	0.96
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	10	0.96
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	4	0.96
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	5	0.96
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	2	0.96
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	4	0.96
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	6	0.96
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	7	0.96
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	8	0.96
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	10	0.96
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	12	0.96
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	13	0.96
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	14	0.96
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	16	0.96
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	17	0.96
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	18	0.96
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	20	0.96
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	22	0.96
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	24	0.96
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB3	21	0.96
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	3	0.96
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	4	0.96
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	18	0.96
(2,474)	1:30:A:ILE:HG22	1:23:A:CYS:HB2	3	0.96
(2,474)	1:30:A:ILE:HG21	1:23:A:CYS:HB2	21	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,474)	1:30:A:ILE:HG22	1:23:A:CYS:HB2	23	0.96
(2,473)	1:30:A:ILE:HG23	1:34:A:HIS:HB3	12	0.96
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	7	0.96
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	18	0.96
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB2	1	0.96
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	23	0.96
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	3	0.96
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	9	0.96
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	5	0.96
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	11	0.96
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	16	0.96
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	13	0.96
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	20	0.96
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	1	0.96
(2,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB2	1	0.96
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD13	13	0.96
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	4	0.96
(2,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	7	0.96
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG23	9	0.96
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG23	11	0.96
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	13	0.96
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG12	16	0.96
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	13	0.96
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB3	8	0.96
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB2	16	0.96
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	4	0.96
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	5	0.96
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	3	0.96
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	23	0.96
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	4	0.96
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE1	5	0.96
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	2	0.96
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	4	0.96
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	6	0.96
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	7	0.96
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	8	0.96
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	10	0.96
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	12	0.96
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	13	0.96
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	14	0.96
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	16	0.96
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	17	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	18	0.96
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	20	0.96
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	22	0.96
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	24	0.96
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB3	21	0.96
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	3	0.96
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	4	0.96
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	18	0.96
(1,474)	1:30:A:ILE:HG22	1:23:A:CYS:HB2	3	0.96
(1,474)	1:30:A:ILE:HG21	1:23:A:CYS:HB2	21	0.96
(1,474)	1:30:A:ILE:HG22	1:23:A:CYS:HB2	23	0.96
(1,473)	1:30:A:ILE:HG23	1:34:A:HIS:HB3	12	0.96
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	7	0.96
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	18	0.96
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB2	1	0.96
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	23	0.96
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	3	0.96
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	9	0.96
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	5	0.96
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	11	0.96
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	16	0.96
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	13	0.96
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	20	0.96
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	1	0.96
(1,241)	1:21:A:ALA:HB3	1:37:A:ASP:HB2	1	0.96
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD13	13	0.96
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	4	0.96
(1,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	7	0.96
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG23	9	0.96
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG23	11	0.96
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	13	0.96
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG12	16	0.96
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	13	0.96
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB3	8	0.96
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB2	16	0.96
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	4	0.96
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	5	0.96
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	3	0.96
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	23	0.96
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG21	7	0.95
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	18	0.95
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	2	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,648)	1:18:A:LYS:HG2	1:7:A:TYR:HD1	1	0.95
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	18	0.95
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	5	0.95
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	9	0.95
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	1	0.95
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	3	0.95
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	5	0.95
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	9	0.95
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	11	0.95
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	15	0.95
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	19	0.95
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	21	0.95
(2,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	23	0.95
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	17	0.95
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	11	0.95
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	10	0.95
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	8	0.95
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	3	0.95
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	2	0.95
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	8	0.95
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	15	0.95
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	20	0.95
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	23	0.95
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	4	0.95
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	22	0.95
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	9	0.95
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	22	0.95
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	14	0.95
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	22	0.95
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	1	0.95
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	8	0.95
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	20	0.95
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	1	0.95
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	7	0.95
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	17	0.95
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	2	0.95
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	24	0.95
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	20	0.95
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	15	0.95
(2,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	9	0.95
(2,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	20	0.95
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB3	15	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	13	0.95
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	17	0.95
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	20	0.95
(2,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	9	0.95
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB3	11	0.95
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	6	0.95
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	12	0.95
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	17	0.95
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	19	0.95
(1,648)	1:18:A:LYS:HG2	1:7:A:TYR:HD1	1	0.95
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	18	0.95
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	5	0.95
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	9	0.95
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	1	0.95
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	3	0.95
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	5	0.95
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	9	0.95
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	11	0.95
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	15	0.95
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	19	0.95
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	21	0.95
(1,586)	1:34:A:HIS:HD2	1:34:A:HIS:HE1	23	0.95
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	17	0.95
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	11	0.95
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	10	0.95
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	8	0.95
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	3	0.95
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	2	0.95
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	8	0.95
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	15	0.95
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	20	0.95
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	23	0.95
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	4	0.95
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	22	0.95
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	9	0.95
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	22	0.95
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	14	0.95
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	22	0.95
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	1	0.95
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	8	0.95
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	20	0.95
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	1	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	7	0.95
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	17	0.95
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	2	0.95
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD11	24	0.95
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	20	0.95
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	15	0.95
(1,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	9	0.95
(1,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	20	0.95
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB3	15	0.95
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	13	0.95
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	17	0.95
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	20	0.95
(1,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	9	0.95
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB3	11	0.95
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	6	0.95
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	12	0.95
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	17	0.95
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	19	0.95
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	10	0.94
(3,49)	1:25:A:LYS:HD2	1:43:A:PHE:HD2	1	0.94
(3,41)	1:39:A:CYS:H	1:36:A:ILE:HG13	8	0.94
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG3	1	0.94
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG3	16	0.94
(2,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	6	0.94
(2,632)	1:29:A:VAL:HG21	1:5:A:ARG:HG2	22	0.94
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	2	0.94
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	18	0.94
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	21	0.94
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB2	24	0.94
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	19	0.94
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	22	0.94
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	21	0.94
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	7	0.94
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	13	0.94
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	24	0.94
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	7	0.94
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	12	0.94
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	23	0.94
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB2	12	0.94
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	22	0.94
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	4	0.94
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	20	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	18	0.94
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	3	0.94
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	15	0.94
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB2	15	0.94
(2,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	17	0.94
(2,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	8	0.94
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	8	0.94
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	11	0.94
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	2	0.94
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	5	0.94
(2,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	13	0.94
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	2	0.94
(2,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	20	0.94
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	2	0.94
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	17	0.94
(2,102)	1:30:A:ILE:HD11	1:10:A:TYR:HE2	18	0.94
(2,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	22	0.94
(2,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	2	0.94
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	7	0.94
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	12	0.94
(2,46)	1:6:A:THR:HG21	1:7:A:TYR:HE1	19	0.94
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	14	0.94
(1,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	6	0.94
(1,632)	1:29:A:VAL:HG21	1:5:A:ARG:HG2	22	0.94
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	2	0.94
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	18	0.94
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	21	0.94
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB2	24	0.94
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	19	0.94
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	22	0.94
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	21	0.94
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	7	0.94
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	13	0.94
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	24	0.94
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	7	0.94
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	12	0.94
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	23	0.94
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB2	12	0.94
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	22	0.94
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	4	0.94
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	20	0.94
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	18	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	3	0.94
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	15	0.94
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB2	15	0.94
(1,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	17	0.94
(1,317)	1:30:A:ILE:H	1:30:A:ILE:HD13	8	0.94
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	8	0.94
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	11	0.94
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	2	0.94
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	5	0.94
(1,240)	1:22:A:SER:HA	1:21:A:ALA:HB1	13	0.94
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	2	0.94
(1,180)	1:23:A:CYS:H	1:29:A:VAL:HG11	20	0.94
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	2	0.94
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	17	0.94
(1,102)	1:30:A:ILE:HD11	1:10:A:TYR:HE2	18	0.94
(1,89)	1:34:A:HIS:H	1:34:A:HIS:HD2	22	0.94
(1,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	2	0.94
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	7	0.94
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	12	0.94
(1,46)	1:6:A:THR:HG21	1:7:A:TYR:HE1	19	0.94
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	14	0.94
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	14	0.93
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	22	0.93
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD12	13	0.93
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	22	0.93
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG23	15	0.93
(2,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD3	7	0.93
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG12	9	0.93
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	13	0.93
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG23	24	0.93
(2,568)	1:19:A:ALA:HB2	1:31:A:CYS:HB3	15	0.93
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	15	0.93
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	11	0.93
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	14	0.93
(2,487)	1:19:A:ALA:H	1:20:A:ASN:H	19	0.93
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	17	0.93
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	19	0.93
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	21	0.93
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	23	0.93
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	16	0.93
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	19	0.93
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	11	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	14	0.93
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	17	0.93
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	7	0.93
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	9	0.93
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	13	0.93
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	24	0.93
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	7	0.93
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	14	0.93
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG21	18	0.93
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	4	0.93
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	8	0.93
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	18	0.93
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB3	11	0.93
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	7	0.93
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	19	0.93
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	4	0.93
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	11	0.93
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	17	0.93
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB3	2	0.93
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	8	0.93
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	1	0.93
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	3	0.93
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB2	23	0.93
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	24	0.93
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	13	0.93
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG23	19	0.93
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG22	23	0.93
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG2	3	0.93
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG2	24	0.93
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	9	0.93
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	22	0.93
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	18	0.93
(2,26)	1:20:A:ASN:H	1:20:A:ASN:HB2	18	0.93
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG23	15	0.93
(1,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD3	7	0.93
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG12	9	0.93
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	13	0.93
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG23	24	0.93
(1,568)	1:19:A:ALA:HB2	1:31:A:CYS:HB3	15	0.93
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	15	0.93
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	11	0.93
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	14	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:19:A:ALA:H	1:20:A:ASN:H	19	0.93
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	17	0.93
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	19	0.93
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	21	0.93
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	23	0.93
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	16	0.93
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	19	0.93
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	11	0.93
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	14	0.93
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	17	0.93
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	7	0.93
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	9	0.93
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	13	0.93
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	24	0.93
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	7	0.93
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	14	0.93
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG21	18	0.93
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	4	0.93
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	8	0.93
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	18	0.93
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB3	11	0.93
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	7	0.93
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	19	0.93
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	4	0.93
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	11	0.93
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	17	0.93
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB3	2	0.93
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	8	0.93
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	1	0.93
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	3	0.93
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB2	23	0.93
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	24	0.93
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	13	0.93
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG23	19	0.93
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG22	23	0.93
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG2	3	0.93
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG2	24	0.93
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	9	0.93
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	22	0.93
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	18	0.93
(1,26)	1:20:A:ASN:H	1:20:A:ASN:HB2	18	0.93
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	6	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	14	0.92
(2,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	22	0.92
(2,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	17	0.92
(2,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	1	0.92
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	17	0.92
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	19	0.92
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE1	3	0.92
(2,568)	1:19:A:ALA:HB1	1:31:A:CYS:HB3	12	0.92
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB1	18	0.92
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	1	0.92
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	4	0.92
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	20	0.92
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	3	0.92
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	6	0.92
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	16	0.92
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	14	0.92
(2,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	15	0.92
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	10	0.92
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	9	0.92
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	10	0.92
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	7	0.92
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	13	0.92
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	20	0.92
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	22	0.92
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	1	0.92
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	19	0.92
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	6	0.92
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB1	4	0.92
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	18	0.92
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	16	0.92
(2,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	13	0.92
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	9	0.92
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	5	0.92
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	24	0.92
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB3	18	0.92
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	1	0.92
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	21	0.92
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	17	0.92
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	22	0.92
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	17	0.92
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	12	0.92
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	23	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	24	0.92
(2,178)	1:30:A:ILE:H	1:29:A:VAL:HG12	15	0.92
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	15	0.92
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD12	4	0.92
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	15	0.92
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	21	0.92
(1,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	22	0.92
(1,631)	1:7:A:TYR:HA	1:29:A:VAL:HG21	17	0.92
(1,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	1	0.92
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	17	0.92
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	19	0.92
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE1	3	0.92
(1,568)	1:19:A:ALA:HB1	1:31:A:CYS:HB3	12	0.92
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB1	18	0.92
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	1	0.92
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	4	0.92
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	20	0.92
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	3	0.92
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	6	0.92
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	16	0.92
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	14	0.92
(1,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	15	0.92
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	10	0.92
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	9	0.92
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	10	0.92
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	7	0.92
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	13	0.92
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	20	0.92
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	22	0.92
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	1	0.92
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	19	0.92
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	6	0.92
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB1	4	0.92
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	18	0.92
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	16	0.92
(1,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	13	0.92
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	9	0.92
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	5	0.92
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	24	0.92
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB3	18	0.92
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	1	0.92
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	21	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	17	0.92
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	22	0.92
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	17	0.92
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	12	0.92
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	23	0.92
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	24	0.92
(1,178)	1:30:A:ILE:H	1:29:A:VAL:HG12	15	0.92
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB3	15	0.92
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD12	4	0.92
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	15	0.92
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	21	0.92
(3,80)	1:27:A:LYS:H	1:25:A:LYS:HA	11	0.91
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	6	0.91
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG12	12	0.91
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	4	0.91
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG3	10	0.91
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB2	20	0.91
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	1	0.91
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	22	0.91
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	23	0.91
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	16	0.91
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	1	0.91
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	4	0.91
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	20	0.91
(2,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	7	0.91
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB1	6	0.91
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	10	0.91
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	18	0.91
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	16	0.91
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	1	0.91
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	1	0.91
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	5	0.91
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	17	0.91
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	1	0.91
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	21	0.91
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	8	0.91
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	9	0.91
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	16	0.91
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE2	23	0.91
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	3	0.91
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	24	0.91
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB3	23	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	3	0.91
(2,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	9	0.91
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	9	0.91
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	13	0.91
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	21	0.91
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG22	12	0.91
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	18	0.91
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	4	0.91
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	8	0.91
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	16	0.91
(2,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	22	0.91
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	2	0.91
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB2	18	0.91
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB3	8	0.91
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	21	0.91
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	20	0.91
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	22	0.91
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	16	0.91
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	1	0.91
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	2	0.91
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	13	0.91
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	1	0.91
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	22	0.91
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	23	0.91
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	16	0.91
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	1	0.91
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE1	4	0.91
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	20	0.91
(1,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	7	0.91
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB1	6	0.91
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	10	0.91
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	18	0.91
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	16	0.91
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	1	0.91
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	1	0.91
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	5	0.91
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	17	0.91
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	1	0.91
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	21	0.91
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	8	0.91
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	9	0.91
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	16	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE2	23	0.91
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	3	0.91
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	24	0.91
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB3	23	0.91
(1,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	3	0.91
(1,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	9	0.91
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	9	0.91
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	13	0.91
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	21	0.91
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG22	12	0.91
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	18	0.91
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	4	0.91
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	8	0.91
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	16	0.91
(1,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	22	0.91
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	2	0.91
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB2	18	0.91
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB3	8	0.91
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	21	0.91
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	20	0.91
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	22	0.91
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	16	0.91
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	1	0.91
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	2	0.91
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	13	0.91
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	2	0.9
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG21	22	0.9
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD2	1	0.9
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	8	0.9
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	18	0.9
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	10	0.9
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	5	0.9
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	4	0.9
(2,536)	1:24:A:LYS:H	1:27:A:LYS:H	12	0.9
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	12	0.9
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	2	0.9
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	9	0.9
(2,485)	1:31:A:CYS:H	1:32:A:ARG:H	11	0.9
(2,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	22	0.9
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	1	0.9
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	2	0.9
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	16	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	24	0.9
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	4	0.9
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	12	0.9
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	11	0.9
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB2	17	0.9
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	10	0.9
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	14	0.9
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	20	0.9
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	23	0.9
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	4	0.9
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	8	0.9
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	2	0.9
(2,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD12	1	0.9
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	23	0.9
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	22	0.9
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG22	1	0.9
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	9	0.9
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	6	0.9
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	9	0.9
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	18	0.9
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	6	0.9
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD2	10	0.9
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	5	0.9
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	4	0.9
(1,536)	1:24:A:LYS:H	1:27:A:LYS:H	12	0.9
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	12	0.9
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	2	0.9
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	9	0.9
(1,485)	1:31:A:CYS:H	1:32:A:ARG:H	11	0.9
(1,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	22	0.9
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	1	0.9
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	2	0.9
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	16	0.9
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	24	0.9
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	4	0.9
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	12	0.9
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	11	0.9
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB2	17	0.9
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	10	0.9
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	14	0.9
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	20	0.9
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	23	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	4	0.9
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	8	0.9
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	2	0.9
(1,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD12	1	0.9
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	23	0.9
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	22	0.9
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG22	1	0.9
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	9	0.9
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	6	0.9
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	9	0.9
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	18	0.9
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	6	0.9
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG23	10	0.89
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	12	0.89
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	9	0.89
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD3	23	0.89
(3,15)	1:36:A:ILE:HG23	1:38:A:MET:HB3	24	0.89
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	17	0.89
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB1	2	0.89
(2,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	7	0.89
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	20	0.89
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	1	0.89
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	20	0.89
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	15	0.89
(2,476)	1:15:A:ILE:HD13	1:12:A:PRO:HG2	21	0.89
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	19	0.89
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	21	0.89
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	13	0.89
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	5	0.89
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	4	0.89
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	18	0.89
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	15	0.89
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG22	11	0.89
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	10	0.89
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB3	18	0.89
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB1	12	0.89
(2,362)	1:15:A:ILE:HD13	1:12:A:PRO:HD2	16	0.89
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	1	0.89
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	3	0.89
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	16	0.89
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	19	0.89
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	11	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	11	0.89
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	14	0.89
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	6	0.89
(2,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	13	0.89
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	3	0.89
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB2	6	0.89
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB2	14	0.89
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG23	2	0.89
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	1	0.89
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	15	0.89
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	16	0.89
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	18	0.89
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	19	0.89
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG23	16	0.89
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	5	0.89
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB2	2	0.89
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	3	0.89
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	4	0.89
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	11	0.89
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	19	0.89
(2,49)	1:9:A:THR:HG23	1:10:A:TYR:HD1	19	0.89
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	16	0.89
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	17	0.89
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB1	2	0.89
(1,562)	1:10:A:TYR:HA	1:30:A:ILE:HG22	7	0.89
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	20	0.89
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	1	0.89
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	20	0.89
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	15	0.89
(1,476)	1:15:A:ILE:HD13	1:12:A:PRO:HG2	21	0.89
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	19	0.89
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	21	0.89
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	13	0.89
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	5	0.89
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	4	0.89
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	18	0.89
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	15	0.89
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG22	11	0.89
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	10	0.89
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB3	18	0.89
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB1	12	0.89
(1,362)	1:15:A:ILE:HD13	1:12:A:PRO:HD2	16	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	1	0.89
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	3	0.89
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	16	0.89
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	19	0.89
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	11	0.89
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD13	11	0.89
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	14	0.89
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	6	0.89
(1,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	13	0.89
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	3	0.89
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB2	6	0.89
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB2	14	0.89
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG23	2	0.89
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	1	0.89
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	15	0.89
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	16	0.89
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	18	0.89
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	19	0.89
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG23	16	0.89
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	5	0.89
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB2	2	0.89
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	3	0.89
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	4	0.89
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	11	0.89
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	19	0.89
(1,49)	1:9:A:THR:HG23	1:10:A:TYR:HD1	19	0.89
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	16	0.89
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG23	12	0.88
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE1	3	0.88
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD3	2	0.88
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	3	0.88
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	11	0.88
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	16	0.88
(2,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE2	21	0.88
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	7	0.88
(2,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	13	0.88
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	11	0.88
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	2	0.88
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	3	0.88
(2,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	1	0.88
(2,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	18	0.88
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	10	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	8	0.88
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	15	0.88
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	17	0.88
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	15	0.88
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE1	4	0.88
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	1	0.88
(2,385)	1:29:A:VAL:H	1:9:A:THR:HB	9	0.88
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	11	0.88
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB2	1	0.88
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB3	9	0.88
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB3	20	0.88
(2,362)	1:15:A:ILE:HD13	1:12:A:PRO:HD2	4	0.88
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	4	0.88
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	8	0.88
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	9	0.88
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	21	0.88
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	24	0.88
(2,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD11	23	0.88
(2,286)	1:9:A:THR:H	1:8:A:CYS:HB2	3	0.88
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB2	5	0.88
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	18	0.88
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	22	0.88
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	9	0.88
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG23	21	0.88
(2,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG22	3	0.88
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG2	7	0.88
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	19	0.88
(2,49)	1:9:A:THR:HG22	1:10:A:TYR:HD2	1	0.88
(1,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE2	21	0.88
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	7	0.88
(1,568)	1:19:A:ALA:HB3	1:31:A:CYS:HB3	13	0.88
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	11	0.88
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	2	0.88
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	3	0.88
(1,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	1	0.88
(1,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	18	0.88
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	10	0.88
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	8	0.88
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	15	0.88
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	17	0.88
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	15	0.88
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE1	4	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	1	0.88
(1,385)	1:29:A:VAL:H	1:9:A:THR:HB	9	0.88
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	11	0.88
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB2	1	0.88
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB3	9	0.88
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB3	20	0.88
(1,362)	1:15:A:ILE:HD13	1:12:A:PRO:HD2	4	0.88
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	4	0.88
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	8	0.88
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	9	0.88
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	21	0.88
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	24	0.88
(1,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD11	23	0.88
(1,286)	1:9:A:THR:H	1:8:A:CYS:HB2	3	0.88
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB2	5	0.88
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	18	0.88
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	22	0.88
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	9	0.88
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG23	21	0.88
(1,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG22	3	0.88
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG2	7	0.88
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	19	0.88
(1,49)	1:9:A:THR:HG22	1:10:A:TYR:HD2	1	0.88
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG23	11	0.87
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD12	10	0.87
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	12	0.87
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	13	0.87
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	14	0.87
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	3	0.87
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	3	0.87
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	19	0.87
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	4	0.87
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	7	0.87
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	6	0.87
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	24	0.87
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	11	0.87
(2,404)	1:9:A:THR:HG23	1:28:A:LYS:HB3	18	0.87
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	16	0.87
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB3	8	0.87
(2,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	15	0.87
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB1	24	0.87
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	4	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	2	0.87
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	1	0.87
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	23	0.87
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	5	0.87
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	13	0.87
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	16	0.87
(2,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	19	0.87
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG23	8	0.87
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	7	0.87
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	11	0.87
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	8	0.87
(2,49)	1:9:A:THR:HG21	1:10:A:TYR:HD1	5	0.87
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB3	5	0.87
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	13	0.87
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	14	0.87
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	3	0.87
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	3	0.87
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	19	0.87
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	4	0.87
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	7	0.87
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	6	0.87
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	24	0.87
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	11	0.87
(1,404)	1:9:A:THR:HG23	1:28:A:LYS:HB3	18	0.87
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	16	0.87
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB3	8	0.87
(1,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	15	0.87
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB1	24	0.87
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	4	0.87
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	2	0.87
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	1	0.87
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	23	0.87
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	5	0.87
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	13	0.87
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	16	0.87
(1,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	19	0.87
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG23	8	0.87
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	7	0.87
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	11	0.87
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	8	0.87
(1,49)	1:9:A:THR:HG21	1:10:A:TYR:HD1	5	0.87
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB3	5	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG21	22	0.86
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	12	0.86
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	18	0.86
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	14	0.86
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	12	0.86
(2,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	17	0.86
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	19	0.86
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	14	0.86
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	21	0.86
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	6	0.86
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	12	0.86
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG22	22	0.86
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	3	0.86
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB3	17	0.86
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	12	0.86
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	20	0.86
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	18	0.86
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	20	0.86
(2,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	18	0.86
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	20	0.86
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	9	0.86
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB3	18	0.86
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	23	0.86
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	12	0.86
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	19	0.86
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	12	0.86
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	12	0.86
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG23	24	0.86
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	3	0.86
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	17	0.86
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	19	0.86
(2,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD11	5	0.86
(2,257)	1:4:A:LYS:H	1:3:A:LYS:HA	10	0.86
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB2	7	0.86
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	8	0.86
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	20	0.86
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	21	0.86
(2,197)	1:15:A:ILE:HG23	1:12:A:PRO:HD2	24	0.86
(2,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG22	18	0.86
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	2	0.86
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB3	15	0.86
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	15	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	9	0.86
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	22	0.86
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	1	0.86
(2,46)	1:6:A:THR:HG21	1:7:A:TYR:HE1	23	0.86
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB2	1	0.86
(1,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	17	0.86
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	19	0.86
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	14	0.86
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	21	0.86
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	6	0.86
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG11	12	0.86
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG22	22	0.86
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	3	0.86
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB3	17	0.86
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	12	0.86
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	20	0.86
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	18	0.86
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	20	0.86
(1,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	18	0.86
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	20	0.86
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	9	0.86
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB3	18	0.86
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	23	0.86
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	12	0.86
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	19	0.86
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	12	0.86
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	12	0.86
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG23	24	0.86
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	3	0.86
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	17	0.86
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	19	0.86
(1,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD11	5	0.86
(1,257)	1:4:A:LYS:H	1:3:A:LYS:HA	10	0.86
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB2	7	0.86
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	8	0.86
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	20	0.86
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	21	0.86
(1,197)	1:15:A:ILE:HG23	1:12:A:PRO:HD2	24	0.86
(1,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG22	18	0.86
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	2	0.86
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB3	15	0.86
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	15	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	9	0.86
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	22	0.86
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	1	0.86
(1,46)	1:6:A:THR:HG21	1:7:A:TYR:HE1	23	0.86
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB2	1	0.86
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	6	0.85
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD13	6	0.85
(3,15)	1:36:A:ILE:HG22	1:38:A:MET:HB3	16	0.85
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG2	11	0.85
(2,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	15	0.85
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	15	0.85
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	11	0.85
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	10	0.85
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	24	0.85
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	15	0.85
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	18	0.85
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG22	1	0.85
(2,474)	1:30:A:ILE:HG22	1:23:A:CYS:HB2	5	0.85
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	14	0.85
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	5	0.85
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	6	0.85
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	13	0.85
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	13	0.85
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	8	0.85
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	16	0.85
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	13	0.85
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	13	0.85
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	10	0.85
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB2	10	0.85
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB1	12	0.85
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	6	0.85
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	22	0.85
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	2	0.85
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	16	0.85
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	12	0.85
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB2	19	0.85
(2,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB2	15	0.85
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	20	0.85
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	5	0.85
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	14	0.85
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	15	0.85
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	18	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	8	0.85
(2,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	16	0.85
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	6	0.85
(2,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG22	19	0.85
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	22	0.85
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	17	0.85
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	3	0.85
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	14	0.85
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	23	0.85
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG2	11	0.85
(1,584)	1:11:A:CYS:HA	1:15:A:ILE:HG21	15	0.85
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	15	0.85
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	11	0.85
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	10	0.85
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	24	0.85
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	15	0.85
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	18	0.85
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG22	1	0.85
(1,474)	1:30:A:ILE:HG22	1:23:A:CYS:HB2	5	0.85
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	14	0.85
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	5	0.85
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	6	0.85
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	13	0.85
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	13	0.85
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	8	0.85
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	16	0.85
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	13	0.85
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	13	0.85
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	10	0.85
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB2	10	0.85
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB1	12	0.85
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	6	0.85
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	22	0.85
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	2	0.85
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	16	0.85
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	12	0.85
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB2	19	0.85
(1,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB2	15	0.85
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	20	0.85
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	5	0.85
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	14	0.85
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	15	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	18	0.85
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	8	0.85
(1,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	16	0.85
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	6	0.85
(1,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG22	19	0.85
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	22	0.85
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	17	0.85
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	3	0.85
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	14	0.85
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	23	0.85
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG23	21	0.84
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD11	17	0.84
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD11	20	0.84
(2,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE1	3	0.84
(2,632)	1:29:A:VAL:HG12	1:5:A:ARG:HG3	24	0.84
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	8	0.84
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	12	0.84
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	24	0.84
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	2	0.84
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	3	0.84
(2,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	6	0.84
(2,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	15	0.84
(2,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	19	0.84
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	23	0.84
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	10	0.84
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	10	0.84
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	3	0.84
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	16	0.84
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	3	0.84
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	1	0.84
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	1	0.84
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	3	0.84
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	20	0.84
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	9	0.84
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	3	0.84
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	19	0.84
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	10	0.84
(2,370)	1:28:A:LYS:H	1:23:A:CYS:HA	12	0.84
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	8	0.84
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB2	15	0.84
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	23	0.84
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	2	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	5	0.84
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	13	0.84
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	10	0.84
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB2	14	0.84
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	6	0.84
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	23	0.84
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	2	0.84
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG21	20	0.84
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG21	22	0.84
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	21	0.84
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	22	0.84
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG3	8	0.84
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	24	0.84
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	9	0.84
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	22	0.84
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	14	0.84
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD13	24	0.84
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	21	0.84
(1,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE1	3	0.84
(1,632)	1:29:A:VAL:HG12	1:5:A:ARG:HG3	24	0.84
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	8	0.84
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	12	0.84
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	24	0.84
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	2	0.84
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	3	0.84
(1,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	6	0.84
(1,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	15	0.84
(1,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	19	0.84
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	23	0.84
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	10	0.84
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	10	0.84
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	3	0.84
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	16	0.84
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB1	3	0.84
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	1	0.84
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	1	0.84
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	3	0.84
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	20	0.84
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	9	0.84
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	3	0.84
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	19	0.84
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	10	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,370)	1:28:A:LYS:H	1:23:A:CYS:HA	12	0.84
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	8	0.84
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB2	15	0.84
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	23	0.84
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	2	0.84
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	5	0.84
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	13	0.84
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	10	0.84
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB2	14	0.84
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	6	0.84
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	23	0.84
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	2	0.84
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG21	20	0.84
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG21	22	0.84
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	21	0.84
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	22	0.84
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG3	8	0.84
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	24	0.84
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	9	0.84
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	22	0.84
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	14	0.84
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD13	24	0.84
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	21	0.84
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD11	18	0.83
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD13	16	0.83
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB2	14	0.83
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	4	0.83
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	16	0.83
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	20	0.83
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	15	0.83
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	23	0.83
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	24	0.83
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	1	0.83
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB3	14	0.83
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB2	16	0.83
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	17	0.83
(2,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	2	0.83
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	7	0.83
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	14	0.83
(2,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	17	0.83
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	20	0.83
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	17	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	14	0.83
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	19	0.83
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	20	0.83
(2,453)	1:38:A:MET:HA	1:39:A:CYS:HA	3	0.83
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	17	0.83
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	19	0.83
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	5	0.83
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	15	0.83
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	22	0.83
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	5	0.83
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	4	0.83
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	2	0.83
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG22	18	0.83
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	12	0.83
(2,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	24	0.83
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	10	0.83
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	22	0.83
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG22	1	0.83
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	19	0.83
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	16	0.83
(2,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD11	14	0.83
(2,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	18	0.83
(2,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	3	0.83
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	9	0.83
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	2	0.83
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	10	0.83
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	2	0.83
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	13	0.83
(2,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	14	0.83
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG21	4	0.83
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG2	14	0.83
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	9	0.83
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	2	0.83
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB2	6	0.83
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	13	0.83
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD13	18	0.83
(2,49)	1:9:A:THR:HG23	1:10:A:TYR:HD2	14	0.83
(2,49)	1:9:A:THR:HG21	1:10:A:TYR:HD2	20	0.83
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB3	10	0.83
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	4	0.83
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	16	0.83
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	20	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	15	0.83
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	23	0.83
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	24	0.83
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	1	0.83
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB3	14	0.83
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB2	16	0.83
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	17	0.83
(1,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	2	0.83
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	7	0.83
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	14	0.83
(1,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	17	0.83
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	20	0.83
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	17	0.83
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	14	0.83
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG21	19	0.83
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	20	0.83
(1,453)	1:38:A:MET:HA	1:39:A:CYS:HA	3	0.83
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	17	0.83
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	19	0.83
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	5	0.83
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	15	0.83
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	22	0.83
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	5	0.83
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	4	0.83
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	2	0.83
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG22	18	0.83
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	12	0.83
(1,328)	1:39:A:CYS:HA	1:40:A:GLN:HA	24	0.83
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	10	0.83
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	22	0.83
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG22	1	0.83
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	19	0.83
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	16	0.83
(1,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD11	14	0.83
(1,292)	1:30:A:ILE:HB	1:10:A:TYR:HD2	18	0.83
(1,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	3	0.83
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	9	0.83
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	2	0.83
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	10	0.83
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	2	0.83
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	13	0.83
(1,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	14	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG21	4	0.83
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG2	14	0.83
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	9	0.83
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	2	0.83
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB2	6	0.83
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	13	0.83
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD13	18	0.83
(1,49)	1:9:A:THR:HG23	1:10:A:TYR:HD2	14	0.83
(1,49)	1:9:A:THR:HG21	1:10:A:TYR:HD2	20	0.83
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB3	10	0.83
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	5	0.82
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE2	19	0.82
(3,61)	1:25:A:LYS:HG2	1:43:A:PHE:HE2	23	0.82
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	6	0.82
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD12	14	0.82
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD13	24	0.82
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	12	0.82
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG3	13	0.82
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD13	16	0.82
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD1	14	0.82
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	22	0.82
(2,632)	1:29:A:VAL:HG23	1:5:A:ARG:HG2	4	0.82
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	17	0.82
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	6	0.82
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	11	0.82
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	2	0.82
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	24	0.82
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	10	0.82
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	23	0.82
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE2	10	0.82
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	13	0.82
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	23	0.82
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	10	0.82
(2,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	16	0.82
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	21	0.82
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	24	0.82
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	19	0.82
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	13	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	1	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	2	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	3	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	4	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	5	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	6	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	7	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	8	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	9	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	10	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	11	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	12	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	13	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	14	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	15	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	16	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	17	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	18	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	19	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	20	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	21	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	22	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	23	0.82
(2,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	24	0.82
(2,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	9	0.82
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	11	0.82
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	3	0.82
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	23	0.82
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	17	0.82
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	21	0.82
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	16	0.82
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	23	0.82
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	10	0.82
(2,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	10	0.82
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE2	11	0.82
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE2	18	0.82
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	16	0.82
(2,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	10	0.82
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	16	0.82
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB2	12	0.82
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	7	0.82
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	24	0.82
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	12	0.82
(2,280)	1:6:A:THR:HG22	1:7:A:TYR:HD1	20	0.82
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB2	12	0.82
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	10	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	5	0.82
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG22	13	0.82
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG23	14	0.82
(2,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG23	15	0.82
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	15	0.82
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	4	0.82
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	8	0.82
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	24	0.82
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	3	0.82
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD1	14	0.82
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	22	0.82
(1,632)	1:29:A:VAL:HG23	1:5:A:ARG:HG2	4	0.82
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	17	0.82
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	6	0.82
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	11	0.82
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	2	0.82
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	24	0.82
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	10	0.82
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	23	0.82
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE2	10	0.82
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	13	0.82
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	23	0.82
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	10	0.82
(1,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	16	0.82
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	21	0.82
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	24	0.82
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	19	0.82
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	13	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	1	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	2	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	3	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	4	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	5	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	6	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	7	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	8	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	9	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	10	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	11	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	12	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	13	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	14	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	15	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	16	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	17	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	18	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	19	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	20	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	21	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	22	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	23	0.82
(1,503)	1:15:A:ILE:HA	1:15:A:ILE:HB	24	0.82
(1,463)	1:8:A:CYS:HA	1:30:A:ILE:HG22	9	0.82
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	11	0.82
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	3	0.82
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	23	0.82
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	17	0.82
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	21	0.82
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	16	0.82
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	23	0.82
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	10	0.82
(1,414)	1:17:A:ARG:H	1:16:A:ARG:HG2	10	0.82
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE2	11	0.82
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE2	18	0.82
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	16	0.82
(1,384)	1:15:A:ILE:H	1:12:A:PRO:HD2	10	0.82
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	16	0.82
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB2	12	0.82
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	7	0.82
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	24	0.82
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	12	0.82
(1,280)	1:6:A:THR:HG22	1:7:A:TYR:HD1	20	0.82
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB2	12	0.82
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	10	0.82
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	5	0.82
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG22	13	0.82
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG23	14	0.82
(1,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG23	15	0.82
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	15	0.82
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	4	0.82
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	8	0.82
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	24	0.82
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	3	0.82
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	7	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG22	4	0.81
(3,15)	1:36:A:ILE:HG22	1:38:A:MET:HB3	20	0.81
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	2	0.81
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	6	0.81
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	2	0.81
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG23	10	0.81
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	5	0.81
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	9	0.81
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	21	0.81
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	24	0.81
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	9	0.81
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	18	0.81
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	1	0.81
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	10	0.81
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	19	0.81
(2,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	1	0.81
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	4	0.81
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	8	0.81
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	15	0.81
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	7	0.81
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	22	0.81
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	18	0.81
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	9	0.81
(2,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE1	12	0.81
(2,369)	1:9:A:THR:HG22	1:28:A:LYS:HG3	12	0.81
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB1	14	0.81
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	24	0.81
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	18	0.81
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	24	0.81
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	13	0.81
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	2	0.81
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	22	0.81
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	8	0.81
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	13	0.81
(2,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD13	20	0.81
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	4	0.81
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	5	0.81
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	4	0.81
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	6	0.81
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	2	0.81
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	4	0.81
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	19	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	6	0.81
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	23	0.81
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	1	0.81
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	2	0.81
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	5	0.81
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	10	0.81
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	12	0.81
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	13	0.81
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	14	0.81
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	18	0.81
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	20	0.81
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	21	0.81
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	6	0.81
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	9	0.81
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	10	0.81
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	4	0.81
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	2	0.81
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	6	0.81
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	2	0.81
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG23	10	0.81
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	5	0.81
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	9	0.81
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	21	0.81
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	24	0.81
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	9	0.81
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	18	0.81
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	1	0.81
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	10	0.81
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	19	0.81
(1,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	1	0.81
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	4	0.81
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	8	0.81
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	15	0.81
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	7	0.81
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	22	0.81
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	18	0.81
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	9	0.81
(1,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE1	12	0.81
(1,369)	1:9:A:THR:HG22	1:28:A:LYS:HG3	12	0.81
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB1	14	0.81
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	24	0.81
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	18	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	24	0.81
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	13	0.81
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	2	0.81
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	22	0.81
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	8	0.81
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	13	0.81
(1,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD13	20	0.81
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	4	0.81
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	5	0.81
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	4	0.81
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	6	0.81
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	2	0.81
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	4	0.81
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	19	0.81
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	6	0.81
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	23	0.81
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	1	0.81
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	2	0.81
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	5	0.81
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	10	0.81
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	12	0.81
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	13	0.81
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	14	0.81
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	18	0.81
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	20	0.81
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	21	0.81
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	6	0.81
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	9	0.81
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD13	10	0.81
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	4	0.81
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG2	15	0.8
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD13	24	0.8
(2,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE2	13	0.8
(2,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD2	18	0.8
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	16	0.8
(2,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	24	0.8
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	11	0.8
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	21	0.8
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	22	0.8
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	10	0.8
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	14	0.8
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB3	3	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	23	0.8
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	9	0.8
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	11	0.8
(2,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	13	0.8
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	18	0.8
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	20	0.8
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	16	0.8
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	22	0.8
(2,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	4	0.8
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	24	0.8
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	19	0.8
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	2	0.8
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	24	0.8
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	24	0.8
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	14	0.8
(2,403)	1:9:A:THR:HG21	1:28:A:LYS:HE3	9	0.8
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	23	0.8
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG22	15	0.8
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	1	0.8
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	24	0.8
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	13	0.8
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	14	0.8
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB1	1	0.8
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	22	0.8
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB2	15	0.8
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	16	0.8
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	15	0.8
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	17	0.8
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	4	0.8
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG22	21	0.8
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	9	0.8
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	17	0.8
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	24	0.8
(2,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB2	8	0.8
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	14	0.8
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG13	19	0.8
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	6	0.8
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD11	21	0.8
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	3	0.8
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	3	0.8
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	7	0.8
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	14	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG22	2	0.8
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	19	0.8
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	20	0.8
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB3	15	0.8
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	2	0.8
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	4	0.8
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	21	0.8
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	8	0.8
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	12	0.8
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	6	0.8
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	9	0.8
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	16	0.8
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	24	0.8
(2,52)	1:7:A:TYR:H	1:6:A:THR:HA	14	0.8
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB2	6	0.8
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	7	0.8
(1,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE2	13	0.8
(1,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD2	18	0.8
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	16	0.8
(1,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	24	0.8
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	11	0.8
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	21	0.8
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	22	0.8
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	10	0.8
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	14	0.8
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB3	3	0.8
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	23	0.8
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	9	0.8
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	11	0.8
(1,525)	1:5:A:ARG:HB3	1:5:A:ARG:HG2	13	0.8
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	18	0.8
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	20	0.8
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	16	0.8
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	22	0.8
(1,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	4	0.8
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	24	0.8
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	19	0.8
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	2	0.8
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	24	0.8
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	24	0.8
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	14	0.8
(1,403)	1:9:A:THR:HG21	1:28:A:LYS:HE3	9	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	23	0.8
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG22	15	0.8
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	1	0.8
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	24	0.8
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	13	0.8
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	14	0.8
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB1	1	0.8
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	22	0.8
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB2	15	0.8
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	16	0.8
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	15	0.8
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	17	0.8
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	4	0.8
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG22	21	0.8
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	9	0.8
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	17	0.8
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	24	0.8
(1,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB2	8	0.8
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	14	0.8
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG13	19	0.8
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	6	0.8
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD11	21	0.8
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	3	0.8
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	3	0.8
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	7	0.8
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	14	0.8
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG22	2	0.8
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	19	0.8
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	20	0.8
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB3	15	0.8
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	2	0.8
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	4	0.8
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	21	0.8
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	8	0.8
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	12	0.8
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	6	0.8
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	9	0.8
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	16	0.8
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	24	0.8
(1,52)	1:7:A:TYR:H	1:6:A:THR:HA	14	0.8
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB2	6	0.8
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	7	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG21	8	0.79
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD11	4	0.79
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	14	0.79
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD13	6	0.79
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB3	19	0.79
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD1	9	0.79
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	24	0.79
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	20	0.79
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	4	0.79
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	11	0.79
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	14	0.79
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	12	0.79
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB3	1	0.79
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	18	0.79
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	3	0.79
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	3	0.79
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	12	0.79
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	22	0.79
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	8	0.79
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	14	0.79
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	18	0.79
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	1	0.79
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	14	0.79
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	5	0.79
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	21	0.79
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	13	0.79
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	19	0.79
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	3	0.79
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG23	12	0.79
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	18	0.79
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB3	13	0.79
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	9	0.79
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	17	0.79
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	3	0.79
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	8	0.79
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	5	0.79
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	17	0.79
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	23	0.79
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	9	0.79
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	6	0.79
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	22	0.79
(2,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	12	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,257)	1:4:A:LYS:H	1:3:A:LYS:HA	11	0.79
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB2	12	0.79
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	2	0.79
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD11	16	0.79
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG22	18	0.79
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	4	0.79
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	8	0.79
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	10	0.79
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	18	0.79
(2,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG21	12	0.79
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG2	9	0.79
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	9	0.79
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB3	15	0.79
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB2	20	0.79
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	23	0.79
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	5	0.79
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	24	0.79
(2,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE1	22	0.79
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	1	0.79
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	20	0.79
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	4	0.79
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	11	0.79
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	14	0.79
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	12	0.79
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB3	1	0.79
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	18	0.79
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	3	0.79
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	3	0.79
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	12	0.79
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	22	0.79
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	8	0.79
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	14	0.79
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	18	0.79
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	1	0.79
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	14	0.79
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	5	0.79
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	21	0.79
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	13	0.79
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	19	0.79
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	3	0.79
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG23	12	0.79
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	18	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB3	13	0.79
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	9	0.79
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	17	0.79
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	3	0.79
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	8	0.79
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	5	0.79
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	17	0.79
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	23	0.79
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	9	0.79
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	6	0.79
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	22	0.79
(1,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	12	0.79
(1,257)	1:4:A:LYS:H	1:3:A:LYS:HA	11	0.79
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB2	12	0.79
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	2	0.79
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD11	16	0.79
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG22	18	0.79
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	4	0.79
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	8	0.79
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	10	0.79
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	18	0.79
(1,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG21	12	0.79
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG2	9	0.79
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	9	0.79
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB3	15	0.79
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB2	20	0.79
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	23	0.79
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	5	0.79
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	24	0.79
(1,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE1	22	0.79
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD12	1	0.79
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG2	22	0.78
(3,71)	1:36:A:ILE:HG21	1:43:A:PHE:HD1	24	0.78
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	11	0.78
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	17	0.78
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	2	0.78
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	3	0.78
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	7	0.78
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	19	0.78
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	16	0.78
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	15	0.78
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	11	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	23	0.78
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG21	3	0.78
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG23	16	0.78
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	9	0.78
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG3	3	0.78
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	13	0.78
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	17	0.78
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD22	14	0.78
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB2	23	0.78
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	14	0.78
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	21	0.78
(2,495)	1:7:A:TYR:H	1:6:A:THR:HG23	10	0.78
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	18	0.78
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	24	0.78
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	11	0.78
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	11	0.78
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	17	0.78
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	12	0.78
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	6	0.78
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	21	0.78
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	1	0.78
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE2	1	0.78
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG23	16	0.78
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG21	21	0.78
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	3	0.78
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	20	0.78
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB3	23	0.78
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG22	19	0.78
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	12	0.78
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	19	0.78
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	20	0.78
(2,313)	1:41:A:SER:HB2	1:10:A:TYR:HE1	10	0.78
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	3	0.78
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	8	0.78
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	23	0.78
(2,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	2	0.78
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	3	0.78
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	4	0.78
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	13	0.78
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	8	0.78
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	19	0.78
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	5	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	24	0.78
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG21	3	0.78
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	11	0.78
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	14	0.78
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	7	0.78
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	12	0.78
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	13	0.78
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	14	0.78
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	16	0.78
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	22	0.78
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	24	0.78
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	14	0.78
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	7	0.78
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB3	14	0.78
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	14	0.78
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD13	13	0.78
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	2	0.78
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	3	0.78
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	7	0.78
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	19	0.78
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	16	0.78
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	15	0.78
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	11	0.78
(1,590)	1:16:A:ARG:HG2	1:7:A:TYR:HE2	23	0.78
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG21	3	0.78
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG23	16	0.78
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	9	0.78
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG3	3	0.78
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	13	0.78
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	17	0.78
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD22	14	0.78
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB2	23	0.78
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	14	0.78
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	21	0.78
(1,495)	1:7:A:TYR:H	1:6:A:THR:HG23	10	0.78
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	18	0.78
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	24	0.78
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	11	0.78
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	11	0.78
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	17	0.78
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	12	0.78
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	6	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	21	0.78
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	1	0.78
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE2	1	0.78
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG23	16	0.78
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG21	21	0.78
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	3	0.78
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	20	0.78
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB3	23	0.78
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG22	19	0.78
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	12	0.78
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	19	0.78
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	20	0.78
(1,313)	1:41:A:SER:HB2	1:10:A:TYR:HE1	10	0.78
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	3	0.78
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	8	0.78
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG23	23	0.78
(1,302)	1:16:A:ARG:H	1:15:A:ILE:HD12	2	0.78
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	3	0.78
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	4	0.78
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	13	0.78
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	8	0.78
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	19	0.78
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	5	0.78
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	24	0.78
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG21	3	0.78
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	11	0.78
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	14	0.78
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	7	0.78
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	12	0.78
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	13	0.78
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	14	0.78
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	16	0.78
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	22	0.78
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	24	0.78
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	14	0.78
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	7	0.78
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB3	14	0.78
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	14	0.78
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD13	13	0.78
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG22	23	0.77
(3,66)	1:25:A:LYS:HB3	1:43:A:PHE:HD1	17	0.77
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD11	2	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG12	10	0.77
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	12	0.77
(2,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	4	0.77
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	13	0.77
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	14	0.77
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	18	0.77
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	23	0.77
(2,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	5	0.77
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	4	0.77
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG21	2	0.77
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	22	0.77
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	4	0.77
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	5	0.77
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	7	0.77
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	7	0.77
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	5	0.77
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	20	0.77
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	23	0.77
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	17	0.77
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	19	0.77
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	11	0.77
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	4	0.77
(2,452)	1:30:A:ILE:HA	1:19:A:ALA:HB2	14	0.77
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	3	0.77
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	4	0.77
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	24	0.77
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	24	0.77
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	12	0.77
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	23	0.77
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	1	0.77
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	16	0.77
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	19	0.77
(2,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE2	19	0.77
(2,369)	1:9:A:THR:HG22	1:28:A:LYS:HG3	6	0.77
(2,369)	1:9:A:THR:HG23	1:28:A:LYS:HG3	13	0.77
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB2	2	0.77
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB2	5	0.77
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB3	19	0.77
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	11	0.77
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	8	0.77
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG22	10	0.77
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	11	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	1	0.77
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	18	0.77
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	11	0.77
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	24	0.77
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	6	0.77
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	9	0.77
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	21	0.77
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB2	1	0.77
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	4	0.77
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	7	0.77
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD13	24	0.77
(2,26)	1:20:A:ASN:H	1:20:A:ASN:HB2	12	0.77
(2,6)	1:42:A:CYS:H	1:42:A:CYS:HB3	17	0.77
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	12	0.77
(1,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	4	0.77
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	13	0.77
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	14	0.77
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	18	0.77
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	23	0.77
(1,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	5	0.77
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	4	0.77
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG21	2	0.77
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	22	0.77
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	4	0.77
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	5	0.77
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	7	0.77
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	7	0.77
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	5	0.77
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	20	0.77
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	23	0.77
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	17	0.77
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	19	0.77
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	11	0.77
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	4	0.77
(1,452)	1:30:A:ILE:HA	1:19:A:ALA:HB2	14	0.77
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	3	0.77
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	4	0.77
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	24	0.77
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	24	0.77
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	12	0.77
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	23	0.77
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	1	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	16	0.77
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	19	0.77
(1,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE2	19	0.77
(1,369)	1:9:A:THR:HG22	1:28:A:LYS:HG3	6	0.77
(1,369)	1:9:A:THR:HG23	1:28:A:LYS:HG3	13	0.77
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB2	2	0.77
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB2	5	0.77
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB3	19	0.77
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	11	0.77
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	8	0.77
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG22	10	0.77
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	11	0.77
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	1	0.77
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	18	0.77
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	11	0.77
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	24	0.77
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	6	0.77
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	9	0.77
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	21	0.77
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB2	1	0.77
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	4	0.77
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	7	0.77
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD13	24	0.77
(1,26)	1:20:A:ASN:H	1:20:A:ASN:HB2	12	0.77
(1,6)	1:42:A:CYS:H	1:42:A:CYS:HB3	17	0.77
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD11	4	0.76
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD11	20	0.76
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE1	23	0.76
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE2	9	0.76
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	7	0.76
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	20	0.76
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	24	0.76
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	20	0.76
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	10	0.76
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	8	0.76
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	15	0.76
(2,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	11	0.76
(2,568)	1:19:A:ALA:HB2	1:31:A:CYS:HB3	18	0.76
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	19	0.76
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	21	0.76
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	4	0.76
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB1	9	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	12	0.76
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	17	0.76
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	6	0.76
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	23	0.76
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	1	0.76
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	3	0.76
(2,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	20	0.76
(2,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	22	0.76
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	6	0.76
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	20	0.76
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	8	0.76
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	14	0.76
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	16	0.76
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	21	0.76
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE1	3	0.76
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE2	20	0.76
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	24	0.76
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	15	0.76
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	17	0.76
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	21	0.76
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	18	0.76
(2,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	7	0.76
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	17	0.76
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	6	0.76
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	3	0.76
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	16	0.76
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	2	0.76
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	18	0.76
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	6	0.76
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	19	0.76
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB2	24	0.76
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	21	0.76
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	17	0.76
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	18	0.76
(2,49)	1:9:A:THR:HG21	1:10:A:TYR:HD2	3	0.76
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	18	0.76
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	20	0.76
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	10	0.76
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	8	0.76
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	15	0.76
(1,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	11	0.76
(1,568)	1:19:A:ALA:HB2	1:31:A:CYS:HB3	18	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	19	0.76
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	21	0.76
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	4	0.76
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB1	9	0.76
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	12	0.76
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	17	0.76
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	6	0.76
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	23	0.76
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	1	0.76
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	3	0.76
(1,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	20	0.76
(1,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	22	0.76
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	6	0.76
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	20	0.76
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	8	0.76
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	14	0.76
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	16	0.76
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	21	0.76
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE1	3	0.76
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE2	20	0.76
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	24	0.76
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	15	0.76
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	17	0.76
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	21	0.76
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	18	0.76
(1,351)	1:39:A:CYS:HA	1:38:A:MET:HB3	7	0.76
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	17	0.76
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	6	0.76
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	3	0.76
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	16	0.76
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	2	0.76
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	18	0.76
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	6	0.76
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	19	0.76
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB2	24	0.76
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	21	0.76
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	17	0.76
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	18	0.76
(1,49)	1:9:A:THR:HG21	1:10:A:TYR:HD2	3	0.76
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	18	0.76
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	20	0.76
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG2	19	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG23	19	0.75
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	18	0.75
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG12	14	0.75
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD12	19	0.75
(2,632)	1:29:A:VAL:HG23	1:5:A:ARG:HG3	5	0.75
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG23	1	0.75
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	24	0.75
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	22	0.75
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	23	0.75
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	5	0.75
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	4	0.75
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	14	0.75
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	16	0.75
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	1	0.75
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	6	0.75
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	19	0.75
(2,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	5	0.75
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	1	0.75
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	9	0.75
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	12	0.75
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG22	21	0.75
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	18	0.75
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	1	0.75
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	6	0.75
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	4	0.75
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD1	7	0.75
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	16	0.75
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	4	0.75
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	8	0.75
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	2	0.75
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	2	0.75
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	5	0.75
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	23	0.75
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	24	0.75
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG21	2	0.75
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB3	7	0.75
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB2	18	0.75
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB3	21	0.75
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB1	24	0.75
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	18	0.75
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	12	0.75
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	13	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	23	0.75
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	7	0.75
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	11	0.75
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB3	1	0.75
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	1	0.75
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	12	0.75
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	16	0.75
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	4	0.75
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	8	0.75
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG21	12	0.75
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	1	0.75
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	3	0.75
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	5	0.75
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	11	0.75
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	15	0.75
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	17	0.75
(2,175)	1:29:A:VAL:H	1:29:A:VAL:HB	23	0.75
(2,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG23	13	0.75
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	22	0.75
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	1	0.75
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	10	0.75
(2,106)	1:3:A:LYS:H	1:3:A:LYS:HA	11	0.75
(2,106)	1:3:A:LYS:H	1:3:A:LYS:HA	15	0.75
(2,106)	1:3:A:LYS:H	1:3:A:LYS:HA	19	0.75
(2,106)	1:3:A:LYS:H	1:3:A:LYS:HA	21	0.75
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	12	0.75
(2,49)	1:9:A:THR:HG21	1:10:A:TYR:HD2	12	0.75
(2,49)	1:9:A:THR:HG21	1:10:A:TYR:HD2	15	0.75
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	2	0.75
(1,632)	1:29:A:VAL:HG23	1:5:A:ARG:HG3	5	0.75
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG23	1	0.75
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	24	0.75
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	22	0.75
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	23	0.75
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	5	0.75
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	4	0.75
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	14	0.75
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	16	0.75
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	1	0.75
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	6	0.75
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	19	0.75
(1,525)	1:5:A:ARG:HB2	1:5:A:ARG:HG3	5	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	1	0.75
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	9	0.75
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	12	0.75
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG22	21	0.75
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	18	0.75
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	1	0.75
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	6	0.75
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	4	0.75
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD1	7	0.75
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	16	0.75
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	4	0.75
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	8	0.75
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	2	0.75
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	2	0.75
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	5	0.75
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	23	0.75
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	24	0.75
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG21	2	0.75
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB3	7	0.75
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB2	18	0.75
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB3	21	0.75
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB1	24	0.75
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	18	0.75
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	12	0.75
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	13	0.75
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	23	0.75
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	7	0.75
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	11	0.75
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB3	1	0.75
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	1	0.75
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	12	0.75
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	16	0.75
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	4	0.75
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	8	0.75
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG21	12	0.75
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	1	0.75
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	3	0.75
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	5	0.75
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	11	0.75
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	15	0.75
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	17	0.75
(1,175)	1:29:A:VAL:H	1:29:A:VAL:HB	23	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG23	13	0.75
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	22	0.75
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	1	0.75
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	10	0.75
(1,106)	1:3:A:LYS:H	1:3:A:LYS:HA	11	0.75
(1,106)	1:3:A:LYS:H	1:3:A:LYS:HA	15	0.75
(1,106)	1:3:A:LYS:H	1:3:A:LYS:HA	19	0.75
(1,106)	1:3:A:LYS:H	1:3:A:LYS:HA	21	0.75
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	12	0.75
(1,49)	1:9:A:THR:HG21	1:10:A:TYR:HD2	12	0.75
(1,49)	1:9:A:THR:HG21	1:10:A:TYR:HD2	15	0.75
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	2	0.75
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	6	0.74
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE2	5	0.74
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	21	0.74
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	15	0.74
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	7	0.74
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	24	0.74
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	17	0.74
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	23	0.74
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB1	8	0.74
(2,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	11	0.74
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	10	0.74
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	13	0.74
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	18	0.74
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	22	0.74
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG22	9	0.74
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	22	0.74
(2,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	17	0.74
(2,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	19	0.74
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	8	0.74
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	12	0.74
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE2	24	0.74
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	6	0.74
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	7	0.74
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	15	0.74
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	4	0.74
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	6	0.74
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	12	0.74
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	13	0.74
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	18	0.74
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	3	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	5	0.74
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	20	0.74
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG22	10	0.74
(2,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD12	16	0.74
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	20	0.74
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	9	0.74
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	14	0.74
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	15	0.74
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	5	0.74
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	12	0.74
(2,197)	1:15:A:ILE:HG23	1:12:A:PRO:HD2	17	0.74
(2,197)	1:15:A:ILE:HG23	1:12:A:PRO:HD2	21	0.74
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	7	0.74
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	14	0.74
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	15	0.74
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	17	0.74
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB2	9	0.74
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	14	0.74
(2,106)	1:3:A:LYS:H	1:3:A:LYS:HA	6	0.74
(2,106)	1:3:A:LYS:H	1:3:A:LYS:HA	9	0.74
(2,106)	1:3:A:LYS:H	1:3:A:LYS:HA	14	0.74
(2,106)	1:3:A:LYS:H	1:3:A:LYS:HA	24	0.74
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	24	0.74
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	15	0.74
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	10	0.74
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB3	18	0.74
(2,26)	1:20:A:ASN:H	1:20:A:ASN:HB2	2	0.74
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	16	0.74
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	15	0.74
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	7	0.74
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	24	0.74
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	17	0.74
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	23	0.74
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB1	8	0.74
(1,549)	1:31:A:CYS:H	1:30:A:ILE:HD13	11	0.74
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	10	0.74
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	13	0.74
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	18	0.74
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	22	0.74
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG22	9	0.74
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	22	0.74
(1,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	17	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	19	0.74
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	8	0.74
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	12	0.74
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE2	24	0.74
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	6	0.74
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	7	0.74
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	15	0.74
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	4	0.74
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	6	0.74
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	12	0.74
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	13	0.74
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	18	0.74
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	3	0.74
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	5	0.74
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	20	0.74
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG22	10	0.74
(1,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD12	16	0.74
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	20	0.74
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	9	0.74
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	14	0.74
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	15	0.74
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	5	0.74
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	12	0.74
(1,197)	1:15:A:ILE:HG23	1:12:A:PRO:HD2	17	0.74
(1,197)	1:15:A:ILE:HG23	1:12:A:PRO:HD2	21	0.74
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	7	0.74
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	14	0.74
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	15	0.74
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	17	0.74
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB2	9	0.74
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	14	0.74
(1,106)	1:3:A:LYS:H	1:3:A:LYS:HA	6	0.74
(1,106)	1:3:A:LYS:H	1:3:A:LYS:HA	9	0.74
(1,106)	1:3:A:LYS:H	1:3:A:LYS:HA	14	0.74
(1,106)	1:3:A:LYS:H	1:3:A:LYS:HA	24	0.74
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	24	0.74
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	15	0.74
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	10	0.74
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB3	18	0.74
(1,26)	1:20:A:ASN:H	1:20:A:ASN:HB2	2	0.74
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	16	0.74
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD12	14	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE2	9	0.73
(3,26)	1:37:A:ASP:H	1:36:A:ILE:HB	19	0.73
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	24	0.73
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	11	0.73
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	12	0.73
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	10	0.73
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG23	22	0.73
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	23	0.73
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	21	0.73
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	5	0.73
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	18	0.73
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	20	0.73
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG23	17	0.73
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	24	0.73
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	24	0.73
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	2	0.73
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	5	0.73
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	11	0.73
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	15	0.73
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	6	0.73
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	17	0.73
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	5	0.73
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	22	0.73
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	5	0.73
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG22	18	0.73
(2,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	8	0.73
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	9	0.73
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	19	0.73
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	12	0.73
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	19	0.73
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	7	0.73
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	20	0.73
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	5	0.73
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	9	0.73
(2,369)	1:9:A:THR:HG22	1:28:A:LYS:HG2	5	0.73
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG22	15	0.73
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	1	0.73
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	4	0.73
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	11	0.73
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	15	0.73
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	23	0.73
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	3	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	5	0.73
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG23	10	0.73
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG23	12	0.73
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	2	0.73
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	6	0.73
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	9	0.73
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	21	0.73
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	16	0.73
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	8	0.73
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG22	1	0.73
(2,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	8	0.73
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	2	0.73
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	10	0.73
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	3	0.73
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	11	0.73
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	16	0.73
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	19	0.73
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	24	0.73
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	3	0.73
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	16	0.73
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	18	0.73
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	18	0.73
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	20	0.73
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	21	0.73
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	11	0.73
(2,46)	1:6:A:THR:HG21	1:7:A:TYR:HE2	8	0.73
(2,46)	1:6:A:THR:HG23	1:7:A:TYR:HE1	20	0.73
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	11	0.73
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	12	0.73
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	10	0.73
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG23	22	0.73
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	23	0.73
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	21	0.73
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	5	0.73
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	18	0.73
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	20	0.73
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG23	17	0.73
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	24	0.73
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	24	0.73
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	2	0.73
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	5	0.73
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	11	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	15	0.73
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	6	0.73
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	17	0.73
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	5	0.73
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	22	0.73
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	5	0.73
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG22	18	0.73
(1,473)	1:30:A:ILE:HG22	1:34:A:HIS:HB3	8	0.73
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	9	0.73
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	19	0.73
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	12	0.73
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	19	0.73
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	7	0.73
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD1	20	0.73
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	5	0.73
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	9	0.73
(1,369)	1:9:A:THR:HG22	1:28:A:LYS:HG2	5	0.73
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG22	15	0.73
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	1	0.73
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	4	0.73
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	11	0.73
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	15	0.73
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	23	0.73
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	3	0.73
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	5	0.73
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG23	10	0.73
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG23	12	0.73
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	2	0.73
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	6	0.73
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	9	0.73
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	21	0.73
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	16	0.73
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	8	0.73
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG22	1	0.73
(1,229)	1:28:A:LYS:HA	1:9:A:THR:HG21	8	0.73
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	2	0.73
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	10	0.73
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	3	0.73
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	11	0.73
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	16	0.73
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	19	0.73
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	24	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	3	0.73
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	16	0.73
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	18	0.73
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	18	0.73
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	20	0.73
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	21	0.73
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	11	0.73
(1,46)	1:6:A:THR:HG21	1:7:A:TYR:HE2	8	0.73
(1,46)	1:6:A:THR:HG23	1:7:A:TYR:HE1	20	0.73
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG2	1	0.72
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG23	18	0.72
(3,76)	1:25:A:LYS:HB3	1:25:A:LYS:HD2	22	0.72
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	21	0.72
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG21	11	0.72
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	17	0.72
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	16	0.72
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	8	0.72
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	20	0.72
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	10	0.72
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	4	0.72
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	11	0.72
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	17	0.72
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG22	7	0.72
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	6	0.72
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	6	0.72
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	17	0.72
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	2	0.72
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	17	0.72
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	23	0.72
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	10	0.72
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG23	8	0.72
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG23	14	0.72
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	19	0.72
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	15	0.72
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	7	0.72
(2,315)	1:15:A:ILE:HG23	1:11:A:CYS:HB3	3	0.72
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	6	0.72
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	5	0.72
(2,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	14	0.72
(2,261)	1:30:A:ILE:HG21	1:39:A:CYS:HB2	6	0.72
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	14	0.72
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	10	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	15	0.72
(2,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB2	19	0.72
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	2	0.72
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	5	0.72
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	5	0.72
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	22	0.72
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG23	7	0.72
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG23	24	0.72
(2,159)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	8	0.72
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	16	0.72
(2,159)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	17	0.72
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	13	0.72
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	9	0.72
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	24	0.72
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	3	0.72
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	18	0.72
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	21	0.72
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG21	11	0.72
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	17	0.72
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	16	0.72
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	8	0.72
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	20	0.72
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	10	0.72
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	4	0.72
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	11	0.72
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	17	0.72
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG22	7	0.72
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	6	0.72
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	6	0.72
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	17	0.72
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	2	0.72
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	17	0.72
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	23	0.72
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	10	0.72
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG23	8	0.72
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG23	14	0.72
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	19	0.72
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	15	0.72
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	7	0.72
(1,315)	1:15:A:ILE:HG23	1:11:A:CYS:HB3	3	0.72
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	6	0.72
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	14	0.72
(1,261)	1:30:A:ILE:HG21	1:39:A:CYS:HB2	6	0.72
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	14	0.72
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	10	0.72
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	15	0.72
(1,241)	1:21:A:ALA:HB2	1:37:A:ASP:HB2	19	0.72
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	2	0.72
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	5	0.72
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	5	0.72
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	22	0.72
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG23	7	0.72
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG23	24	0.72
(1,159)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	8	0.72
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	16	0.72
(1,159)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	17	0.72
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	13	0.72
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	9	0.72
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	24	0.72
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	3	0.72
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	18	0.72
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	4	0.71
(3,76)	1:25:A:LYS:HB3	1:25:A:LYS:HD2	24	0.71
(3,71)	1:36:A:ILE:HG23	1:43:A:PHE:HD2	20	0.71
(3,67)	1:25:A:LYS:HB3	1:43:A:PHE:HE2	15	0.71
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD1	3	0.71
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD2	5	0.71
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	16	0.71
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	6	0.71
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	2	0.71
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	13	0.71
(2,632)	1:29:A:VAL:HG23	1:5:A:ARG:HG2	17	0.71
(2,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	22	0.71
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG22	20	0.71
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	19	0.71
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	19	0.71
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	15	0.71
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	16	0.71
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	13	0.71
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	9	0.71
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	9	0.71
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	4	0.71
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	11	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	14	0.71
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG23	23	0.71
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	7	0.71
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	2	0.71
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	11	0.71
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	14	0.71
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	18	0.71
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	17	0.71
(2,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE1	2	0.71
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	12	0.71
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB2	2	0.71
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	1	0.71
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	14	0.71
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG22	6	0.71
(2,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD12	8	0.71
(2,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD12	12	0.71
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	2	0.71
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	19	0.71
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	23	0.71
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB3	8	0.71
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	8	0.71
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	23	0.71
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	5	0.71
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	7	0.71
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	18	0.71
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	13	0.71
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	19	0.71
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	23	0.71
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	24	0.71
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	1	0.71
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	3	0.71
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD11	4	0.71
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	22	0.71
(2,197)	1:15:A:ILE:HG23	1:12:A:PRO:HD2	3	0.71
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	1	0.71
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	9	0.71
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	12	0.71
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	7	0.71
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	8	0.71
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	17	0.71
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	20	0.71
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	3	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	10	0.71
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	2	0.71
(2,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD2	18	0.71
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	19	0.71
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	2	0.71
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	13	0.71
(1,632)	1:29:A:VAL:HG23	1:5:A:ARG:HG2	17	0.71
(1,602)	1:28:A:LYS:HA	1:29:A:VAL:HG13	22	0.71
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG22	20	0.71
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	19	0.71
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	19	0.71
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	15	0.71
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	16	0.71
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	13	0.71
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	9	0.71
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	9	0.71
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	4	0.71
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	11	0.71
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	14	0.71
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG23	23	0.71
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	7	0.71
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	2	0.71
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	11	0.71
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	14	0.71
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	18	0.71
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	17	0.71
(1,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE1	2	0.71
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	12	0.71
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB2	2	0.71
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	1	0.71
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	14	0.71
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG22	6	0.71
(1,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD12	8	0.71
(1,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD12	12	0.71
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	2	0.71
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	19	0.71
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	23	0.71
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB3	8	0.71
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	8	0.71
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	23	0.71
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	5	0.71
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	18	0.71
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	13	0.71
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	19	0.71
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	23	0.71
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	24	0.71
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	1	0.71
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	3	0.71
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD11	4	0.71
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	22	0.71
(1,197)	1:15:A:ILE:HG23	1:12:A:PRO:HD2	3	0.71
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	1	0.71
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	9	0.71
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	12	0.71
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	7	0.71
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	8	0.71
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	17	0.71
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	20	0.71
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	3	0.71
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	10	0.71
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	2	0.71
(1,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD2	18	0.71
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	19	0.71
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	8	0.7
(3,70)	1:36:A:ILE:HD11	1:43:A:PHE:HD2	8	0.7
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	13	0.7
(3,49)	1:25:A:LYS:HD2	1:43:A:PHE:HD1	7	0.7
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	10	0.7
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG13	4	0.7
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG13	18	0.7
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	12	0.7
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	20	0.7
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	4	0.7
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	19	0.7
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	11	0.7
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	16	0.7
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	24	0.7
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	19	0.7
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	22	0.7
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	19	0.7
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	4	0.7
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	6	0.7
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD1	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	15	0.7
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	15	0.7
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	18	0.7
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB3	18	0.7
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	11	0.7
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	23	0.7
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	21	0.7
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG21	17	0.7
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	6	0.7
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	8	0.7
(2,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	24	0.7
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	9	0.7
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	1	0.7
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	9	0.7
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	15	0.7
(2,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD11	19	0.7
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	11	0.7
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	3	0.7
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	11	0.7
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	12	0.7
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	1	0.7
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	10	0.7
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	12	0.7
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	9	0.7
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	1	0.7
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	20	0.7
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	23	0.7
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	24	0.7
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	15	0.7
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	23	0.7
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	5	0.7
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	21	0.7
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	15	0.7
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB2	14	0.7
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB3	17	0.7
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	14	0.7
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	15	0.7
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG21	12	0.7
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	20	0.7
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	4	0.7
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	19	0.7
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	11	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	16	0.7
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	24	0.7
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	19	0.7
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	22	0.7
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	19	0.7
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	4	0.7
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	6	0.7
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD1	6	0.7
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	15	0.7
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	15	0.7
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	18	0.7
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB3	18	0.7
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	11	0.7
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	23	0.7
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	21	0.7
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG21	17	0.7
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	6	0.7
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	8	0.7
(1,362)	1:15:A:ILE:HD11	1:12:A:PRO:HD2	24	0.7
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	9	0.7
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	1	0.7
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	9	0.7
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	15	0.7
(1,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD11	19	0.7
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	11	0.7
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	3	0.7
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	11	0.7
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	12	0.7
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	1	0.7
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	10	0.7
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	12	0.7
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	9	0.7
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	1	0.7
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	20	0.7
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	23	0.7
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	24	0.7
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	15	0.7
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	23	0.7
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	5	0.7
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	21	0.7
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	15	0.7
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB2	14	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB3	17	0.7
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	14	0.7
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	15	0.7
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD13	16	0.69
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	5	0.69
(3,49)	1:25:A:LYS:HD2	1:43:A:PHE:HD2	5	0.69
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG13	2	0.69
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG12	10	0.69
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG13	22	0.69
(2,638)	1:28:A:LYS:HB2	1:28:A:LYS:HD3	1	0.69
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	17	0.69
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	22	0.69
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	19	0.69
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE2	3	0.69
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	8	0.69
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB3	7	0.69
(2,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD3	4	0.69
(2,544)	1:12:A:PRO:HA	1:13:A:SER:HA	2	0.69
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	12	0.69
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	2	0.69
(2,476)	1:15:A:ILE:HD13	1:12:A:PRO:HG2	4	0.69
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	8	0.69
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	18	0.69
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	17	0.69
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	9	0.69
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	18	0.69
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	13	0.69
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG3	2	0.69
(2,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	10	0.69
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	3	0.69
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG22	1	0.69
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	3	0.69
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	10	0.69
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	20	0.69
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	5	0.69
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	6	0.69
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	13	0.69
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	20	0.69
(2,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD13	24	0.69
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	14	0.69
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	8	0.69
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	16	0.69
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	2	0.69
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	6	0.69
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	18	0.69
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	5	0.69
(2,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG22	17	0.69
(2,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG22	21	0.69
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	19	0.69
(2,159)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	19	0.69
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	24	0.69
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	10	0.69
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	3	0.69
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB2	8	0.69
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	9	0.69
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	22	0.69
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	8	0.69
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	17	0.69
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	1	0.69
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	15	0.69
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	2	0.69
(1,638)	1:28:A:LYS:HB2	1:28:A:LYS:HD3	1	0.69
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	17	0.69
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	22	0.69
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG2	19	0.69
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE2	3	0.69
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	8	0.69
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB3	7	0.69
(1,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD3	4	0.69
(1,544)	1:12:A:PRO:HA	1:13:A:SER:HA	2	0.69
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	12	0.69
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	2	0.69
(1,476)	1:15:A:ILE:HD13	1:12:A:PRO:HG2	4	0.69
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	8	0.69
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	18	0.69
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	17	0.69
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	9	0.69
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	18	0.69
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	13	0.69
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG3	2	0.69
(1,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	10	0.69
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	3	0.69
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG22	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	3	0.69
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	10	0.69
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	20	0.69
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	5	0.69
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	6	0.69
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	13	0.69
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	20	0.69
(1,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD13	24	0.69
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	14	0.69
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	8	0.69
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	20	0.69
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	16	0.69
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	2	0.69
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	6	0.69
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	18	0.69
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	5	0.69
(1,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG22	17	0.69
(1,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG22	21	0.69
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	19	0.69
(1,159)	1:14:A:LYS:HB2	1:14:A:LYS:HD3	19	0.69
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	24	0.69
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	10	0.69
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	3	0.69
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB2	8	0.69
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	9	0.69
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	22	0.69
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	8	0.69
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	17	0.69
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	1	0.69
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	15	0.69
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	2	0.69
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	13	0.68
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE1	3	0.68
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	19	0.68
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD1	3	0.68
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD1	6	0.68
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	17	0.68
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	6	0.68
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	1	0.68
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	7	0.68
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG22	9	0.68
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG3	17	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	23	0.68
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	22	0.68
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	24	0.68
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	9	0.68
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	15	0.68
(2,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	14	0.68
(2,476)	1:15:A:ILE:HD13	1:12:A:PRO:HG2	16	0.68
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG22	22	0.68
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	24	0.68
(2,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	6	0.68
(2,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	24	0.68
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG13	9	0.68
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	14	0.68
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	18	0.68
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	15	0.68
(2,385)	1:29:A:VAL:H	1:9:A:THR:HB	23	0.68
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	11	0.68
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	22	0.68
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB2	14	0.68
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	14	0.68
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	3	0.68
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	7	0.68
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	23	0.68
(2,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	9	0.68
(2,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	14	0.68
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	16	0.68
(2,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD11	15	0.68
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	1	0.68
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	14	0.68
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	7	0.68
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	3	0.68
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	15	0.68
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	16	0.68
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	6	0.68
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	11	0.68
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	21	0.68
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	10	0.68
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG21	15	0.68
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB2	19	0.68
(2,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG21	23	0.68
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	23	0.68
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	11	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	17	0.68
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	21	0.68
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB3	23	0.68
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	5	0.68
(2,49)	1:9:A:THR:HG23	1:10:A:TYR:HD1	17	0.68
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	19	0.68
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	8	0.68
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD1	3	0.68
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD1	6	0.68
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	17	0.68
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	6	0.68
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	1	0.68
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	7	0.68
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG22	9	0.68
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG3	17	0.68
(1,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	23	0.68
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	22	0.68
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	24	0.68
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	9	0.68
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	15	0.68
(1,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	14	0.68
(1,476)	1:15:A:ILE:HD13	1:12:A:PRO:HG2	16	0.68
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG22	22	0.68
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	24	0.68
(1,429)	1:16:A:ARG:H	1:15:A:ILE:HG12	6	0.68
(1,425)	1:19:A:ALA:H	1:8:A:CYS:HB2	24	0.68
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG13	9	0.68
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	14	0.68
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB3	18	0.68
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	15	0.68
(1,385)	1:29:A:VAL:H	1:9:A:THR:HB	23	0.68
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	11	0.68
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	22	0.68
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB2	14	0.68
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	14	0.68
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	3	0.68
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	7	0.68
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	23	0.68
(1,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	9	0.68
(1,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	14	0.68
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	16	0.68
(1,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD11	15	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	1	0.68
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	14	0.68
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	7	0.68
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	3	0.68
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	15	0.68
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	16	0.68
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	6	0.68
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	11	0.68
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	21	0.68
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	10	0.68
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG21	15	0.68
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB2	19	0.68
(1,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG21	23	0.68
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	23	0.68
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	11	0.68
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	17	0.68
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	21	0.68
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB3	23	0.68
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	5	0.68
(1,49)	1:9:A:THR:HG23	1:10:A:TYR:HD1	17	0.68
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	19	0.68
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	8	0.68
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG21	2	0.67
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	2	0.67
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	10	0.67
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	13	0.67
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	14	0.67
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	18	0.67
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE1	17	0.67
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG23	9	0.67
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	5	0.67
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	20	0.67
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	12	0.67
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	12	0.67
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	18	0.67
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	10	0.67
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	13	0.67
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	20	0.67
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	1	0.67
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	3	0.67
(2,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD3	7	0.67
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	22	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	2	0.67
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	10	0.67
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	13	0.67
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	23	0.67
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	2	0.67
(2,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	9	0.67
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	20	0.67
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	17	0.67
(2,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	21	0.67
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	21	0.67
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	6	0.67
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	23	0.67
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE2	14	0.67
(2,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE1	16	0.67
(2,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	14	0.67
(2,369)	1:9:A:THR:HG22	1:28:A:LYS:HG2	3	0.67
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB3	3	0.67
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	20	0.67
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	9	0.67
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	21	0.67
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	14	0.67
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	22	0.67
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	9	0.67
(2,282)	1:15:A:ILE:HD13	1:12:A:PRO:HB2	16	0.67
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	20	0.67
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG23	21	0.67
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	13	0.67
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	18	0.67
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	4	0.67
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	14	0.67
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	23	0.67
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	24	0.67
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	9	0.67
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB3	18	0.67
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	13	0.67
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG22	15	0.67
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	24	0.67
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	1	0.67
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	12	0.67
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	9	0.67
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	13	0.67
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	14	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	11	0.67
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	1	0.67
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	11	0.67
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	21	0.67
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	19	0.67
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	24	0.67
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB2	21	0.67
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	20	0.67
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	4	0.67
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	14	0.67
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	20	0.67
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG23	9	0.67
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	5	0.67
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	20	0.67
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	12	0.67
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	12	0.67
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	18	0.67
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	10	0.67
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	13	0.67
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	20	0.67
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	1	0.67
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	3	0.67
(1,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD3	7	0.67
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	22	0.67
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	2	0.67
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	10	0.67
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	13	0.67
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	23	0.67
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG3	2	0.67
(1,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	9	0.67
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	20	0.67
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	17	0.67
(1,441)	1:19:A:ALA:H	1:7:A:TYR:HD2	21	0.67
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	21	0.67
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	6	0.67
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	23	0.67
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE2	14	0.67
(1,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE1	16	0.67
(1,372)	1:31:A:CYS:H	1:19:A:ALA:HB1	14	0.67
(1,369)	1:9:A:THR:HG22	1:28:A:LYS:HG2	3	0.67
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB3	3	0.67
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	20	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	9	0.67
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	21	0.67
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	14	0.67
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	22	0.67
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	9	0.67
(1,282)	1:15:A:ILE:HD13	1:12:A:PRO:HB2	16	0.67
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	20	0.67
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG23	21	0.67
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	13	0.67
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	18	0.67
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	4	0.67
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	14	0.67
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	23	0.67
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	24	0.67
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	9	0.67
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB3	18	0.67
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	13	0.67
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG22	15	0.67
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	24	0.67
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	1	0.67
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	12	0.67
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	9	0.67
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	13	0.67
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	14	0.67
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	11	0.67
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	1	0.67
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	11	0.67
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	21	0.67
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	19	0.67
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	24	0.67
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB2	21	0.67
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	20	0.67
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	4	0.67
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	14	0.67
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	20	0.67
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	17	0.66
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG12	2	0.66
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE1	3	0.66
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG12	12	0.66
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	11	0.66
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	13	0.66
(2,638)	1:28:A:LYS:HB2	1:28:A:LYS:HD2	22	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE2	17	0.66
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG23	7	0.66
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	19	0.66
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	13	0.66
(2,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	12	0.66
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	5	0.66
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB2	11	0.66
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	17	0.66
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	18	0.66
(2,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	13	0.66
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	7	0.66
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	9	0.66
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	22	0.66
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	23	0.66
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	23	0.66
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	5	0.66
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	9	0.66
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE1	17	0.66
(2,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	19	0.66
(2,403)	1:9:A:THR:HG21	1:28:A:LYS:HE3	16	0.66
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	9	0.66
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	11	0.66
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	8	0.66
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG21	22	0.66
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	3	0.66
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	4	0.66
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	20	0.66
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	6	0.66
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	1	0.66
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	19	0.66
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	7	0.66
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	19	0.66
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	4	0.66
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	21	0.66
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	22	0.66
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	18	0.66
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	20	0.66
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	7	0.66
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	17	0.66
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	20	0.66
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	2	0.66
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	19	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,197)	1:15:A:ILE:HG23	1:12:A:PRO:HD2	10	0.66
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	13	0.66
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	23	0.66
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	3	0.66
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	17	0.66
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	16	0.66
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	13	0.66
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	19	0.66
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	22	0.66
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	18	0.66
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	20	0.66
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	19	0.66
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	13	0.66
(2,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	16	0.66
(2,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD1	8	0.66
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	24	0.66
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	9	0.66
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	13	0.66
(1,638)	1:28:A:LYS:HB2	1:28:A:LYS:HD2	22	0.66
(1,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE2	17	0.66
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG23	7	0.66
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	19	0.66
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	13	0.66
(1,565)	1:24:A:LYS:HA	1:27:A:LYS:HG2	12	0.66
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	5	0.66
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB2	11	0.66
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	17	0.66
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	18	0.66
(1,496)	1:7:A:TYR:H	1:29:A:VAL:HG23	13	0.66
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	7	0.66
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	9	0.66
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	22	0.66
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	23	0.66
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	23	0.66
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	5	0.66
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	9	0.66
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE1	17	0.66
(1,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	19	0.66
(1,403)	1:9:A:THR:HG21	1:28:A:LYS:HE3	16	0.66
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	9	0.66
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	11	0.66
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	8	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG21	22	0.66
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	3	0.66
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	4	0.66
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	20	0.66
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	6	0.66
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	1	0.66
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	19	0.66
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	7	0.66
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	19	0.66
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	4	0.66
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	21	0.66
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	22	0.66
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	18	0.66
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	20	0.66
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	7	0.66
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	17	0.66
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	20	0.66
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	2	0.66
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD12	19	0.66
(1,197)	1:15:A:ILE:HG23	1:12:A:PRO:HD2	10	0.66
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	13	0.66
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	23	0.66
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	3	0.66
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	17	0.66
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	16	0.66
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	13	0.66
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	19	0.66
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	22	0.66
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	18	0.66
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	20	0.66
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	19	0.66
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	13	0.66
(1,80)	1:28:A:LYS:HB2	1:10:A:TYR:HE2	16	0.66
(1,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD1	8	0.66
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	24	0.66
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	9	0.66
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG21	3	0.65
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD11	18	0.65
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	24	0.65
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD3	14	0.65
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	12	0.65
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG12	8	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	7	0.65
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	9	0.65
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	24	0.65
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	5	0.65
(2,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD2	2	0.65
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	14	0.65
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	2	0.65
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	4	0.65
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	22	0.65
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB2	8	0.65
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG12	24	0.65
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	21	0.65
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	6	0.65
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	8	0.65
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	24	0.65
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	14	0.65
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG13	3	0.65
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	12	0.65
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	20	0.65
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	21	0.65
(2,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	2	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	1	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	2	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	3	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	4	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	5	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	7	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	8	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	10	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	12	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	13	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	14	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	15	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	16	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	17	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	18	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	19	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	20	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	21	0.65
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	24	0.65
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	18	0.65
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	13	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	7	0.65
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	2	0.65
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	20	0.65
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	7	0.65
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	12	0.65
(2,369)	1:9:A:THR:HG21	1:28:A:LYS:HG3	9	0.65
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG21	16	0.65
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	3	0.65
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	13	0.65
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB2	10	0.65
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	9	0.65
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	3	0.65
(2,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD11	11	0.65
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB3	21	0.65
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	11	0.65
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	16	0.65
(2,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB2	18	0.65
(2,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB2	20	0.65
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	17	0.65
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	20	0.65
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	24	0.65
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	16	0.65
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB2	14	0.65
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	11	0.65
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	21	0.65
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB3	2	0.65
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD11	7	0.65
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	15	0.65
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	16	0.65
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	22	0.65
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	3	0.65
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	16	0.65
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	17	0.65
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	20	0.65
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	2	0.65
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	4	0.65
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	10	0.65
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	13	0.65
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	12	0.65
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	23	0.65
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	21	0.65
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	1	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	20	0.65
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	7	0.65
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	9	0.65
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	24	0.65
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG22	5	0.65
(1,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD2	2	0.65
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	14	0.65
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	2	0.65
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	4	0.65
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	22	0.65
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB2	8	0.65
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG12	24	0.65
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	21	0.65
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	6	0.65
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	8	0.65
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	24	0.65
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	14	0.65
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG13	3	0.65
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	12	0.65
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	20	0.65
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	21	0.65
(1,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	2	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	1	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	2	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	3	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	4	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	5	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	7	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	8	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	10	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	12	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	13	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	14	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	15	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	16	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	17	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	18	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	19	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	20	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	21	0.65
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	24	0.65
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	18	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	13	0.65
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	7	0.65
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	2	0.65
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	20	0.65
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	7	0.65
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	12	0.65
(1,369)	1:9:A:THR:HG21	1:28:A:LYS:HG3	9	0.65
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG21	16	0.65
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	3	0.65
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	13	0.65
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB2	10	0.65
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	9	0.65
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	3	0.65
(1,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD11	11	0.65
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB3	21	0.65
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	11	0.65
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	16	0.65
(1,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB2	18	0.65
(1,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB2	20	0.65
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	17	0.65
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	20	0.65
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	24	0.65
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	16	0.65
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB2	14	0.65
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	11	0.65
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	21	0.65
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB3	2	0.65
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD11	7	0.65
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	15	0.65
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	16	0.65
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	22	0.65
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	3	0.65
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	16	0.65
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	17	0.65
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	20	0.65
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	2	0.65
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	4	0.65
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	10	0.65
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD3	13	0.65
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	12	0.65
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	23	0.65
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	21	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	1	0.65
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	20	0.65
(3,90)	1:36:A:ILE:HD12	1:43:A:PHE:HB2	10	0.64
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	16	0.64
(3,70)	1:36:A:ILE:HD11	1:43:A:PHE:HD2	12	0.64
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	8	0.64
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	8	0.64
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	16	0.64
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG12	14	0.64
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	3	0.64
(2,638)	1:28:A:LYS:HB2	1:28:A:LYS:HD2	5	0.64
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	8	0.64
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	14	0.64
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	21	0.64
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	4	0.64
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE1	4	0.64
(2,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	21	0.64
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	12	0.64
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	13	0.64
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	2	0.64
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	5	0.64
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB3	4	0.64
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	24	0.64
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	7	0.64
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	13	0.64
(2,546)	1:30:A:ILE:HG23	1:10:A:TYR:HB2	1	0.64
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	3	0.64
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	4	0.64
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	23	0.64
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	21	0.64
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	21	0.64
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	1	0.64
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	1	0.64
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	15	0.64
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	6	0.64
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	9	0.64
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	11	0.64
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	22	0.64
(2,464)	1:9:A:THR:HA	1:9:A:THR:HB	23	0.64
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	4	0.64
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	4	0.64
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	17	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	13	0.64
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	1	0.64
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	8	0.64
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	14	0.64
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	18	0.64
(2,369)	1:9:A:THR:HG21	1:28:A:LYS:HG2	19	0.64
(2,365)	1:30:A:ILE:HD11	1:39:A:CYS:HB3	6	0.64
(2,363)	1:9:A:THR:H	1:19:A:ALA:HB1	16	0.64
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB1	14	0.64
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	17	0.64
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	12	0.64
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	22	0.64
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	7	0.64
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	5	0.64
(2,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	19	0.64
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	22	0.64
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	8	0.64
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	21	0.64
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	7	0.64
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	17	0.64
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	18	0.64
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB3	18	0.64
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	8	0.64
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	13	0.64
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	4	0.64
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	6	0.64
(2,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	13	0.64
(2,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG22	7	0.64
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	4	0.64
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	18	0.64
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	20	0.64
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	4	0.64
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	14	0.64
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	23	0.64
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	24	0.64
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	21	0.64
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	10	0.64
(2,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	21	0.64
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	7	0.64
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	13	0.64
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	3	0.64
(1,638)	1:28:A:LYS:HB2	1:28:A:LYS:HD2	5	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	8	0.64
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	14	0.64
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	21	0.64
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	4	0.64
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE1	4	0.64
(1,589)	1:16:A:ARG:HG2	1:7:A:TYR:HD1	21	0.64
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	12	0.64
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	13	0.64
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	2	0.64
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	5	0.64
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB3	4	0.64
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	24	0.64
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	7	0.64
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	13	0.64
(1,546)	1:30:A:ILE:HG23	1:10:A:TYR:HB2	1	0.64
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	3	0.64
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	4	0.64
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	23	0.64
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	21	0.64
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	21	0.64
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	1	0.64
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	1	0.64
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	15	0.64
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	6	0.64
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	9	0.64
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	11	0.64
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	22	0.64
(1,464)	1:9:A:THR:HA	1:9:A:THR:HB	23	0.64
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	4	0.64
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	4	0.64
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	17	0.64
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	13	0.64
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	1	0.64
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	8	0.64
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	14	0.64
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	18	0.64
(1,369)	1:9:A:THR:HG21	1:28:A:LYS:HG2	19	0.64
(1,365)	1:30:A:ILE:HD11	1:39:A:CYS:HB3	6	0.64
(1,363)	1:9:A:THR:H	1:19:A:ALA:HB1	16	0.64
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB1	14	0.64
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	17	0.64
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	12	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	22	0.64
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	7	0.64
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	5	0.64
(1,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	19	0.64
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	22	0.64
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	8	0.64
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	21	0.64
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	7	0.64
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	17	0.64
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	18	0.64
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB3	18	0.64
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	8	0.64
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	13	0.64
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	4	0.64
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	6	0.64
(1,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	13	0.64
(1,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG22	7	0.64
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	4	0.64
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	18	0.64
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	20	0.64
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	4	0.64
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	14	0.64
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	23	0.64
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	24	0.64
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	21	0.64
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	10	0.64
(1,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	21	0.64
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	7	0.64
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	13	0.64
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG23	15	0.63
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	17	0.63
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	22	0.63
(3,1)	1:25:A:LYS:HA	1:43:A:PHE:HE2	15	0.63
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	21	0.63
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	23	0.63
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	2	0.63
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	6	0.63
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	16	0.63
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	18	0.63
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	23	0.63
(2,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	11	0.63
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	8	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	15	0.63
(2,606)	1:4:A:LYS:H	1:4:A:LYS:HB3	3	0.63
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	23	0.63
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG23	19	0.63
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	4	0.63
(2,545)	1:15:A:ILE:HG22	1:17:A:ARG:HD3	24	0.63
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	11	0.63
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	21	0.63
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	7	0.63
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	10	0.63
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	16	0.63
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	5	0.63
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG21	22	0.63
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	17	0.63
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	3	0.63
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	20	0.63
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	15	0.63
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	20	0.63
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE2	22	0.63
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	18	0.63
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	11	0.63
(2,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	7	0.63
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	5	0.63
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	16	0.63
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	20	0.63
(2,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	22	0.63
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	7	0.63
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	22	0.63
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	9	0.63
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	7	0.63
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	19	0.63
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	19	0.63
(2,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB3	9	0.63
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	9	0.63
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	14	0.63
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	21	0.63
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	1	0.63
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	21	0.63
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	8	0.63
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	11	0.63
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	2	0.63
(2,192)	1:10:A:TYR:H	1:9:A:THR:HG23	17	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG22	20	0.63
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	7	0.63
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	8	0.63
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	1	0.63
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	7	0.63
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	8	0.63
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	9	0.63
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	10	0.63
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	15	0.63
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	18	0.63
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	21	0.63
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	8	0.63
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	22	0.63
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	11	0.63
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	16	0.63
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	20	0.63
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	21	0.63
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	23	0.63
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	2	0.63
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	6	0.63
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	16	0.63
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	18	0.63
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	23	0.63
(1,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	11	0.63
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	8	0.63
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	15	0.63
(1,606)	1:4:A:LYS:H	1:4:A:LYS:HB3	3	0.63
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	23	0.63
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG23	19	0.63
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	4	0.63
(1,545)	1:15:A:ILE:HG22	1:17:A:ARG:HD3	24	0.63
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	11	0.63
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	21	0.63
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	7	0.63
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	10	0.63
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	16	0.63
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	5	0.63
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG21	22	0.63
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	17	0.63
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	3	0.63
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	20	0.63
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	20	0.63
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE2	22	0.63
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	18	0.63
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	11	0.63
(1,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	7	0.63
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	5	0.63
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	16	0.63
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	20	0.63
(1,313)	1:41:A:SER:HB2	1:10:A:TYR:HE2	22	0.63
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	7	0.63
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	22	0.63
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	9	0.63
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	7	0.63
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	19	0.63
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	19	0.63
(1,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB3	9	0.63
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	9	0.63
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	14	0.63
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	21	0.63
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	1	0.63
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	21	0.63
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	8	0.63
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	11	0.63
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	2	0.63
(1,192)	1:10:A:TYR:H	1:9:A:THR:HG23	17	0.63
(1,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG22	20	0.63
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	7	0.63
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	8	0.63
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	1	0.63
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	7	0.63
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	8	0.63
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	9	0.63
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	10	0.63
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	15	0.63
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	18	0.63
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	21	0.63
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	8	0.63
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	22	0.63
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	11	0.63
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	16	0.63
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	20	0.63
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	10	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	1	0.62
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	7	0.62
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	1	0.62
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	12	0.62
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	18	0.62
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD13	17	0.62
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	1	0.62
(2,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	7	0.62
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	19	0.62
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	2	0.62
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	19	0.62
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	3	0.62
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	11	0.62
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	11	0.62
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	15	0.62
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	23	0.62
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	11	0.62
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	18	0.62
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	12	0.62
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	5	0.62
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	20	0.62
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	22	0.62
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	16	0.62
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	16	0.62
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	13	0.62
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	21	0.62
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	9	0.62
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	10	0.62
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	7	0.62
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	5	0.62
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	10	0.62
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	22	0.62
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	9	0.62
(2,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE2	18	0.62
(2,369)	1:9:A:THR:HG21	1:28:A:LYS:HG3	14	0.62
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG22	13	0.62
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	24	0.62
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	10	0.62
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	15	0.62
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	6	0.62
(2,319)	1:22:A:SER:H	1:22:A:SER:HB2	10	0.62
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	14	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	6	0.62
(2,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD11	3	0.62
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	15	0.62
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	6	0.62
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	13	0.62
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	15	0.62
(2,268)	1:31:A:CYS:HA	1:19:A:ALA:HB2	12	0.62
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	9	0.62
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	19	0.62
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	19	0.62
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	7	0.62
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	1	0.62
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	21	0.62
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	1	0.62
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	5	0.62
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	7	0.62
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	8	0.62
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	11	0.62
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	13	0.62
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	17	0.62
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	22	0.62
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	23	0.62
(2,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG22	10	0.62
(2,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG21	16	0.62
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	1	0.62
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	21	0.62
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	24	0.62
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	11	0.62
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	2	0.62
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	5	0.62
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	5	0.62
(2,159)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	12	0.62
(2,159)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	22	0.62
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	21	0.62
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	21	0.62
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG3	3	0.62
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	3	0.62
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	20	0.62
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	4	0.62
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	12	0.62
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	17	0.62
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE1	10	0.62
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	8	0.62
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	17	0.62
(2,49)	1:9:A:THR:HG22	1:10:A:TYR:HD2	2	0.62
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	24	0.62
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	7	0.62
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	24	0.62
(1,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	7	0.62
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	19	0.62
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	2	0.62
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	19	0.62
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	3	0.62
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	11	0.62
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	11	0.62
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	15	0.62
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	23	0.62
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	11	0.62
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	18	0.62
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	12	0.62
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	5	0.62
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	20	0.62
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	22	0.62
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	16	0.62
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	16	0.62
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	13	0.62
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	21	0.62
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	9	0.62
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	10	0.62
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	7	0.62
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	5	0.62
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	10	0.62
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	22	0.62
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	9	0.62
(1,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE2	18	0.62
(1,369)	1:9:A:THR:HG21	1:28:A:LYS:HG3	14	0.62
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG22	13	0.62
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	24	0.62
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	10	0.62
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	15	0.62
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	6	0.62
(1,319)	1:22:A:SER:H	1:22:A:SER:HB2	10	0.62
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	14	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	6	0.62
(1,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD11	3	0.62
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	15	0.62
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	6	0.62
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	13	0.62
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	15	0.62
(1,268)	1:31:A:CYS:HA	1:19:A:ALA:HB2	12	0.62
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	9	0.62
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	19	0.62
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	19	0.62
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	7	0.62
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	1	0.62
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	21	0.62
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	1	0.62
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	5	0.62
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	7	0.62
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	8	0.62
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	11	0.62
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	13	0.62
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	17	0.62
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	22	0.62
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	23	0.62
(1,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG22	10	0.62
(1,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG21	16	0.62
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	1	0.62
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	21	0.62
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	24	0.62
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	11	0.62
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	2	0.62
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	5	0.62
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	5	0.62
(1,159)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	12	0.62
(1,159)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	22	0.62
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	21	0.62
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	21	0.62
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG3	3	0.62
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	3	0.62
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	20	0.62
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	4	0.62
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	12	0.62
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	17	0.62
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE1	10	0.62
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD12	8	0.62
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	17	0.62
(1,49)	1:9:A:THR:HG22	1:10:A:TYR:HD2	2	0.62
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	24	0.62
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	7	0.62
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	24	0.62
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	4	0.61
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD13	24	0.61
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	19	0.61
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	24	0.61
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	21	0.61
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG12	8	0.61
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG22	13	0.61
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD2	7	0.61
(2,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG2	3	0.61
(2,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	23	0.61
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	7	0.61
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	10	0.61
(2,619)	1:29:A:VAL:HG23	1:5:A:ARG:HD3	20	0.61
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	18	0.61
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG2	21	0.61
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	15	0.61
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	6	0.61
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG2	10	0.61
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	12	0.61
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	22	0.61
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	7	0.61
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	13	0.61
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	9	0.61
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	2	0.61
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	2	0.61
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	4	0.61
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG22	9	0.61
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	13	0.61
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	12	0.61
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	16	0.61
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	20	0.61
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	13	0.61
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	24	0.61
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	4	0.61
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	22	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	6	0.61
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	17	0.61
(2,419)	1:5:A:ARG:H	1:3:A:LYS:HA	21	0.61
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	9	0.61
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE2	15	0.61
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	20	0.61
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	22	0.61
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	24	0.61
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	19	0.61
(2,365)	1:30:A:ILE:HD12	1:39:A:CYS:HB3	11	0.61
(2,362)	1:15:A:ILE:HD13	1:12:A:PRO:HD2	5	0.61
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB3	10	0.61
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	20	0.61
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	9	0.61
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	14	0.61
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	11	0.61
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	21	0.61
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	11	0.61
(2,319)	1:22:A:SER:H	1:22:A:SER:HB3	15	0.61
(2,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	13	0.61
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	10	0.61
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	6	0.61
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG23	1	0.61
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	24	0.61
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	19	0.61
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	10	0.61
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	19	0.61
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	22	0.61
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB2	16	0.61
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	15	0.61
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	3	0.61
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	16	0.61
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	19	0.61
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	20	0.61
(2,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	4	0.61
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	12	0.61
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	10	0.61
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	16	0.61
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	20	0.61
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	5	0.61
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	12	0.61
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,167)	1:13:A:SER:H	1:13:A:SER:HA	12	0.61
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	6	0.61
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	9	0.61
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	19	0.61
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	1	0.61
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	9	0.61
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	13	0.61
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	15	0.61
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	18	0.61
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD13	20	0.61
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	15	0.61
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	11	0.61
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	20	0.61
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	21	0.61
(2,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	9	0.61
(2,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	20	0.61
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	18	0.61
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	22	0.61
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB2	17	0.61
(1,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG2	3	0.61
(1,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	23	0.61
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD2	7	0.61
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	10	0.61
(1,619)	1:29:A:VAL:HG23	1:5:A:ARG:HD3	20	0.61
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	18	0.61
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG2	21	0.61
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	15	0.61
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	6	0.61
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG2	10	0.61
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	12	0.61
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	22	0.61
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB2	7	0.61
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	13	0.61
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	9	0.61
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	2	0.61
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	2	0.61
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	4	0.61
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG22	9	0.61
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	13	0.61
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	12	0.61
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	16	0.61
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	20	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	13	0.61
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	24	0.61
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	4	0.61
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	22	0.61
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	6	0.61
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	17	0.61
(1,419)	1:5:A:ARG:H	1:3:A:LYS:HA	21	0.61
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	9	0.61
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE2	15	0.61
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	20	0.61
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	22	0.61
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	24	0.61
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	19	0.61
(1,365)	1:30:A:ILE:HD12	1:39:A:CYS:HB3	11	0.61
(1,362)	1:15:A:ILE:HD13	1:12:A:PRO:HD2	5	0.61
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB3	10	0.61
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	20	0.61
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	9	0.61
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	14	0.61
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	11	0.61
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	21	0.61
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	11	0.61
(1,319)	1:22:A:SER:H	1:22:A:SER:HB3	15	0.61
(1,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	13	0.61
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	10	0.61
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	6	0.61
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG23	1	0.61
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	24	0.61
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	19	0.61
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	10	0.61
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	19	0.61
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	22	0.61
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB2	16	0.61
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	15	0.61
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	3	0.61
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	16	0.61
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	19	0.61
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	20	0.61
(1,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	4	0.61
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	12	0.61
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	10	0.61
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	16	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	20	0.61
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	5	0.61
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	12	0.61
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	6	0.61
(1,167)	1:13:A:SER:H	1:13:A:SER:HA	12	0.61
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	6	0.61
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	9	0.61
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	19	0.61
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	1	0.61
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	9	0.61
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	13	0.61
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	15	0.61
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	18	0.61
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD13	20	0.61
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	15	0.61
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	11	0.61
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	20	0.61
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	21	0.61
(1,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	9	0.61
(1,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	20	0.61
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	18	0.61
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	22	0.61
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB2	17	0.61
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD13	22	0.6
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	21	0.6
(3,67)	1:25:A:LYS:HB3	1:43:A:PHE:HE2	13	0.6
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	22	0.6
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	5	0.6
(2,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG2	1	0.6
(2,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	4	0.6
(2,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	8	0.6
(2,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG2	11	0.6
(2,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	15	0.6
(2,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG2	18	0.6
(2,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	22	0.6
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	15	0.6
(2,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE2	7	0.6
(2,630)	1:30:A:ILE:HA	1:29:A:VAL:HG23	11	0.6
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	18	0.6
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	4	0.6
(2,607)	1:2:A:MET:HA	1:2:A:MET:HG3	8	0.6
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	5	0.6
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE2	16	0.6
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	17	0.6
(2,546)	1:30:A:ILE:HG23	1:10:A:TYR:HB2	6	0.6
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	2	0.6
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	16	0.6
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	15	0.6
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	4	0.6
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	9	0.6
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	4	0.6
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	8	0.6
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	5	0.6
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	14	0.6
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	19	0.6
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	16	0.6
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	8	0.6
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG13	3	0.6
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	10	0.6
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	14	0.6
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	16	0.6
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	11	0.6
(2,403)	1:9:A:THR:HG23	1:28:A:LYS:HE2	2	0.6
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	17	0.6
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	6	0.6
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG21	3	0.6
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	4	0.6
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	22	0.6
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB1	16	0.6
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	5	0.6
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	12	0.6
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	24	0.6
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	7	0.6
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	16	0.6
(2,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	7	0.6
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	5	0.6
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	4	0.6
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	10	0.6
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	13	0.6
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	22	0.6
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	14	0.6
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB2	16	0.6
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	12	0.6
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	6	0.6
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	23	0.6
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	9	0.6
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	10	0.6
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	12	0.6
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	14	0.6
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	24	0.6
(2,197)	1:15:A:ILE:HG23	1:12:A:PRO:HD2	23	0.6
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	7	0.6
(2,193)	1:18:A:LYS:H	1:19:A:ALA:H	21	0.6
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	6	0.6
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG3	4	0.6
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG3	12	0.6
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	14	0.6
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	20	0.6
(2,159)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	24	0.6
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	21	0.6
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	5	0.6
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB2	3	0.6
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB3	10	0.6
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	8	0.6
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	3	0.6
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	5	0.6
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	15	0.6
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	19	0.6
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	23	0.6
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	5	0.6
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	8	0.6
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	20	0.6
(2,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	18	0.6
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	3	0.6
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	15	0.6
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	21	0.6
(2,49)	1:9:A:THR:HG23	1:10:A:TYR:HD1	7	0.6
(2,38)	1:20:A:ASN:HB3	1:20:A:ASN:HD21	8	0.6
(2,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	10	0.6
(2,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	13	0.6
(2,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	18	0.6
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB2	15	0.6
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	15	0.6
(1,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG2	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	4	0.6
(1,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	8	0.6
(1,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG2	11	0.6
(1,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	15	0.6
(1,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG2	18	0.6
(1,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	22	0.6
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	15	0.6
(1,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE2	7	0.6
(1,630)	1:30:A:ILE:HA	1:29:A:VAL:HG23	11	0.6
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	18	0.6
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	4	0.6
(1,607)	1:2:A:MET:HA	1:2:A:MET:HG3	8	0.6
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	14	0.6
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	5	0.6
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE2	16	0.6
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	17	0.6
(1,546)	1:30:A:ILE:HG23	1:10:A:TYR:HB2	6	0.6
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	2	0.6
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	16	0.6
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	15	0.6
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	4	0.6
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	9	0.6
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	4	0.6
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	8	0.6
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	5	0.6
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	14	0.6
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	19	0.6
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD1	16	0.6
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	8	0.6
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG13	3	0.6
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	10	0.6
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	14	0.6
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	16	0.6
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	11	0.6
(1,403)	1:9:A:THR:HG23	1:28:A:LYS:HE2	2	0.6
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	17	0.6
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	6	0.6
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG21	3	0.6
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	4	0.6
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	22	0.6
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB1	16	0.6
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	5	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	12	0.6
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	24	0.6
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	7	0.6
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD2	16	0.6
(1,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	7	0.6
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	5	0.6
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	4	0.6
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	10	0.6
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	13	0.6
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	22	0.6
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	14	0.6
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB2	16	0.6
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	10	0.6
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	12	0.6
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	6	0.6
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	23	0.6
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	9	0.6
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	10	0.6
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	12	0.6
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	14	0.6
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	24	0.6
(1,197)	1:15:A:ILE:HG23	1:12:A:PRO:HD2	23	0.6
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	7	0.6
(1,193)	1:18:A:LYS:H	1:19:A:ALA:H	21	0.6
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	6	0.6
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG3	4	0.6
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG3	12	0.6
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	14	0.6
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	20	0.6
(1,159)	1:14:A:LYS:HB2	1:14:A:LYS:HD2	24	0.6
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	21	0.6
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	5	0.6
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB2	3	0.6
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB3	10	0.6
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	8	0.6
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	3	0.6
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	5	0.6
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	15	0.6
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	19	0.6
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	23	0.6
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	5	0.6
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	8	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	20	0.6
(1,74)	1:30:A:ILE:HG23	1:10:A:TYR:HE2	18	0.6
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	3	0.6
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	15	0.6
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	21	0.6
(1,49)	1:9:A:THR:HG23	1:10:A:TYR:HD1	7	0.6
(1,38)	1:20:A:ASN:HB3	1:20:A:ASN:HD21	8	0.6
(1,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	10	0.6
(1,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	13	0.6
(1,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	18	0.6
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB2	15	0.6
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	15	0.6
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD12	14	0.59
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	10	0.59
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE2	21	0.59
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	24	0.59
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	21	0.59
(2,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	6	0.59
(2,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	14	0.59
(2,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	16	0.59
(2,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE1	14	0.59
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	5	0.59
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	14	0.59
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	11	0.59
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	12	0.59
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	14	0.59
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	22	0.59
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	12	0.59
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG21	8	0.59
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	15	0.59
(2,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	1	0.59
(2,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	2	0.59
(2,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	3	0.59
(2,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	4	0.59
(2,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	5	0.59
(2,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	6	0.59
(2,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	7	0.59
(2,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	8	0.59
(2,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	9	0.59
(2,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	10	0.59
(2,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	11	0.59
(2,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	12	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	14	0.59
(2,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	15	0.59
(2,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	16	0.59
(2,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	17	0.59
(2,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	18	0.59
(2,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	19	0.59
(2,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	20	0.59
(2,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	21	0.59
(2,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	22	0.59
(2,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	23	0.59
(2,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	24	0.59
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	8	0.59
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	21	0.59
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	10	0.59
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	17	0.59
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	8	0.59
(2,545)	1:15:A:ILE:HG21	1:17:A:ARG:HD2	18	0.59
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	13	0.59
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	15	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	2	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	3	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	4	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	5	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	7	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	9	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	10	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	11	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	13	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	14	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	15	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	17	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	18	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	19	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	20	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	21	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	22	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	23	0.59
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	24	0.59
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	18	0.59
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	6	0.59
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	17	0.59
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	18	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	24	0.59
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	24	0.59
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	23	0.59
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	5	0.59
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	12	0.59
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE2	10	0.59
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	6	0.59
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD13	8	0.59
(2,377)	1:39:A:CYS:H	1:40:A:GLN:H	7	0.59
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG21	24	0.59
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	15	0.59
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	12	0.59
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	16	0.59
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	1	0.59
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	9	0.59
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	7	0.59
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	23	0.59
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	14	0.59
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	8	0.59
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	18	0.59
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	1	0.59
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	16	0.59
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	13	0.59
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	17	0.59
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	19	0.59
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	21	0.59
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	13	0.59
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	23	0.59
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG22	19	0.59
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	6	0.59
(2,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB3	19	0.59
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	2	0.59
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	2	0.59
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	6	0.59
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB2	1	0.59
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	12	0.59
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	9	0.59
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	21	0.59
(2,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	6	0.59
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB3	2	0.59
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	5	0.59
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	14	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG23	1	0.59
(2,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG23	11	0.59
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	9	0.59
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	9	0.59
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	1	0.59
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	24	0.59
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	4	0.59
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB3	17	0.59
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	7	0.59
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	4	0.59
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	7	0.59
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	2	0.59
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	10	0.59
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	22	0.59
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	14	0.59
(2,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE1	4	0.59
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	12	0.59
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	12	0.59
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	23	0.59
(2,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	2	0.59
(2,38)	1:20:A:ASN:HB3	1:20:A:ASN:HD21	7	0.59
(2,38)	1:20:A:ASN:HB3	1:20:A:ASN:HD21	22	0.59
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	1	0.59
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	5	0.59
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	20	0.59
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	21	0.59
(1,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	6	0.59
(1,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	14	0.59
(1,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	16	0.59
(1,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE1	14	0.59
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	5	0.59
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	14	0.59
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	11	0.59
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	12	0.59
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	14	0.59
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	22	0.59
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	12	0.59
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG21	8	0.59
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	15	0.59
(1,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	1	0.59
(1,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	2	0.59
(1,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	3	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	4	0.59
(1,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	5	0.59
(1,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	6	0.59
(1,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	7	0.59
(1,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	8	0.59
(1,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	9	0.59
(1,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	10	0.59
(1,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	11	0.59
(1,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	12	0.59
(1,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	14	0.59
(1,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	15	0.59
(1,575)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	16	0.59
(1,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	17	0.59
(1,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	18	0.59
(1,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	19	0.59
(1,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	20	0.59
(1,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	21	0.59
(1,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	22	0.59
(1,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	23	0.59
(1,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	24	0.59
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	8	0.59
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	21	0.59
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	10	0.59
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	17	0.59
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	8	0.59
(1,545)	1:15:A:ILE:HG21	1:17:A:ARG:HD2	18	0.59
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	13	0.59
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	15	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	2	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	3	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	4	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	5	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	7	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	9	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	10	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	11	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	13	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	14	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	15	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	17	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	18	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	20	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	21	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	22	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	23	0.59
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	24	0.59
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	18	0.59
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	6	0.59
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	17	0.59
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	18	0.59
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	24	0.59
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	24	0.59
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	23	0.59
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	5	0.59
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	12	0.59
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE2	10	0.59
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	6	0.59
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD13	8	0.59
(1,377)	1:39:A:CYS:H	1:40:A:GLN:H	7	0.59
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG21	24	0.59
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	15	0.59
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	12	0.59
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	16	0.59
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	1	0.59
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	9	0.59
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	7	0.59
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	23	0.59
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	14	0.59
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	8	0.59
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	18	0.59
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	1	0.59
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	16	0.59
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	13	0.59
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	17	0.59
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	19	0.59
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	21	0.59
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	13	0.59
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	23	0.59
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG22	19	0.59
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	6	0.59
(1,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB3	19	0.59
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	2	0.59
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	2	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	6	0.59
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB2	1	0.59
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	12	0.59
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	9	0.59
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	21	0.59
(1,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	6	0.59
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB3	2	0.59
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	5	0.59
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	14	0.59
(1,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG23	1	0.59
(1,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG23	11	0.59
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	9	0.59
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	9	0.59
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	1	0.59
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	24	0.59
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	4	0.59
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB3	17	0.59
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	7	0.59
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	4	0.59
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG3	7	0.59
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	2	0.59
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	10	0.59
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	22	0.59
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	14	0.59
(1,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE1	4	0.59
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	12	0.59
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	12	0.59
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	23	0.59
(1,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	2	0.59
(1,38)	1:20:A:ASN:HB3	1:20:A:ASN:HD21	7	0.59
(1,38)	1:20:A:ASN:HB3	1:20:A:ASN:HD21	22	0.59
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	1	0.59
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	5	0.59
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	20	0.59
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	21	0.59
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	22	0.58
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	23	0.58
(3,78)	1:25:A:LYS:HG3	1:25:A:LYS:HD2	6	0.58
(3,78)	1:25:A:LYS:HG2	1:25:A:LYS:HD3	9	0.58
(3,78)	1:25:A:LYS:HG3	1:25:A:LYS:HD2	10	0.58
(3,78)	1:25:A:LYS:HG2	1:25:A:LYS:HD3	20	0.58
(3,78)	1:25:A:LYS:HG2	1:25:A:LYS:HD3	21	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB3	1	0.58
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB2	5	0.58
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE1	17	0.58
(2,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	13	0.58
(2,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	20	0.58
(2,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE2	24	0.58
(2,607)	1:2:A:MET:HA	1:2:A:MET:HG3	9	0.58
(2,606)	1:4:A:LYS:H	1:4:A:LYS:HB3	1	0.58
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG2	2	0.58
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG2	17	0.58
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG22	7	0.58
(2,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	13	0.58
(2,545)	1:15:A:ILE:HG22	1:17:A:ARG:HD2	8	0.58
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	19	0.58
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	1	0.58
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	6	0.58
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	8	0.58
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	12	0.58
(2,510)	1:6:A:THR:HA	1:6:A:THR:HB	16	0.58
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	11	0.58
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	2	0.58
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	13	0.58
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	19	0.58
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	17	0.58
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	23	0.58
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	21	0.58
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	21	0.58
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	16	0.58
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	23	0.58
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	16	0.58
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	8	0.58
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	19	0.58
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	21	0.58
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB2	1	0.58
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE1	12	0.58
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG21	6	0.58
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	12	0.58
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB3	5	0.58
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	6	0.58
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB3	17	0.58
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	10	0.58
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	1	0.58
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	8	0.58
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	23	0.58
(2,319)	1:22:A:SER:H	1:22:A:SER:HB3	8	0.58
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	8	0.58
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	10	0.58
(2,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD13	6	0.58
(2,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	12	0.58
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	2	0.58
(2,278)	1:29:A:VAL:HG13	1:5:A:ARG:HB3	20	0.58
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB1	14	0.58
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	11	0.58
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	18	0.58
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	3	0.58
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	13	0.58
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB2	21	0.58
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	23	0.58
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	8	0.58
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	11	0.58
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	13	0.58
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	3	0.58
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	21	0.58
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	3	0.58
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	7	0.58
(2,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	10	0.58
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	5	0.58
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	18	0.58
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	17	0.58
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	15	0.58
(2,205)	1:30:A:ILE:H	1:31:A:CYS:H	18	0.58
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	10	0.58
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	15	0.58
(2,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	7	0.58
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	17	0.58
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	14	0.58
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	21	0.58
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	18	0.58
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	1	0.58
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	13	0.58
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	24	0.58
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	20	0.58
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	12	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,38)	1:20:A:ASN:HB3	1:20:A:ASN:HD21	4	0.58
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	3	0.58
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	13	0.58
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	19	0.58
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	7	0.58
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	22	0.58
(1,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	13	0.58
(1,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	20	0.58
(1,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE2	24	0.58
(1,607)	1:2:A:MET:HA	1:2:A:MET:HG3	9	0.58
(1,606)	1:4:A:LYS:H	1:4:A:LYS:HB3	1	0.58
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG2	2	0.58
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG2	17	0.58
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG22	7	0.58
(1,575)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	13	0.58
(1,545)	1:15:A:ILE:HG22	1:17:A:ARG:HD2	8	0.58
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	19	0.58
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	1	0.58
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	6	0.58
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	8	0.58
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	12	0.58
(1,510)	1:6:A:THR:HA	1:6:A:THR:HB	16	0.58
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	11	0.58
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	2	0.58
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	13	0.58
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	19	0.58
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	17	0.58
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	23	0.58
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	21	0.58
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	21	0.58
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	16	0.58
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	23	0.58
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	16	0.58
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	8	0.58
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	19	0.58
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	21	0.58
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB2	1	0.58
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE1	12	0.58
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG21	6	0.58
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	12	0.58
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB3	5	0.58
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB3	17	0.58
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	10	0.58
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	5	0.58
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	1	0.58
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	8	0.58
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	23	0.58
(1,319)	1:22:A:SER:H	1:22:A:SER:HB3	8	0.58
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	8	0.58
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	10	0.58
(1,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD13	6	0.58
(1,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	12	0.58
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	2	0.58
(1,278)	1:29:A:VAL:HG13	1:5:A:ARG:HB3	20	0.58
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB1	14	0.58
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	11	0.58
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	18	0.58
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	3	0.58
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	13	0.58
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB2	21	0.58
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	23	0.58
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	8	0.58
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	11	0.58
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	13	0.58
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	3	0.58
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	21	0.58
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	3	0.58
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	7	0.58
(1,224)	1:24:A:LYS:H	1:23:A:CYS:HB3	10	0.58
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	5	0.58
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	18	0.58
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	17	0.58
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	15	0.58
(1,205)	1:30:A:ILE:H	1:31:A:CYS:H	18	0.58
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	10	0.58
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	15	0.58
(1,159)	1:14:A:LYS:HB3	1:14:A:LYS:HD2	7	0.58
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	17	0.58
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	14	0.58
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	21	0.58
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	18	0.58
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	1	0.58
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	13	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	24	0.58
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	20	0.58
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	12	0.58
(1,38)	1:20:A:ASN:HB3	1:20:A:ASN:HD21	4	0.58
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	3	0.58
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	13	0.58
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	19	0.58
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	7	0.58
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	22	0.58
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	3	0.57
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	5	0.57
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	11	0.57
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	20	0.57
(3,78)	1:25:A:LYS:HG3	1:25:A:LYS:HD2	4	0.57
(3,78)	1:25:A:LYS:HG2	1:25:A:LYS:HD3	19	0.57
(3,71)	1:36:A:ILE:HG23	1:43:A:PHE:HD2	16	0.57
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	20	0.57
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	8	0.57
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB3	8	0.57
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	2	0.57
(2,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	2	0.57
(2,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	10	0.57
(2,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG2	24	0.57
(2,628)	1:9:A:THR:HG22	1:28:A:LYS:HD3	5	0.57
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	3	0.57
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	3	0.57
(2,607)	1:2:A:MET:HA	1:2:A:MET:HG3	15	0.57
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	8	0.57
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	7	0.57
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	15	0.57
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	7	0.57
(2,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	11	0.57
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	1	0.57
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	14	0.57
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	13	0.57
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	8	0.57
(2,531)	1:20:A:ASN:H	1:31:A:CYS:H	24	0.57
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	2	0.57
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	5	0.57
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	6	0.57
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	11	0.57
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	12	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	20	0.57
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	22	0.57
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	9	0.57
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	19	0.57
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	11	0.57
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	11	0.57
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	2	0.57
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	8	0.57
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	19	0.57
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	23	0.57
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	24	0.57
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD1	17	0.57
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	4	0.57
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	18	0.57
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	5	0.57
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	2	0.57
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	4	0.57
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	12	0.57
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	11	0.57
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	14	0.57
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	16	0.57
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	21	0.57
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	10	0.57
(2,369)	1:9:A:THR:HG22	1:28:A:LYS:HG2	20	0.57
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG23	10	0.57
(2,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	14	0.57
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	16	0.57
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	20	0.57
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	5	0.57
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	20	0.57
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	15	0.57
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	15	0.57
(2,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	15	0.57
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	9	0.57
(2,280)	1:6:A:THR:HG21	1:7:A:TYR:HD2	8	0.57
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG23	6	0.57
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	23	0.57
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG22	3	0.57
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	20	0.57
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB3	3	0.57
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	15	0.57
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	16	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB3	2	0.57
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	18	0.57
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	1	0.57
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD12	11	0.57
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB3	10	0.57
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	17	0.57
(2,179)	1:23:A:CYS:H	1:30:A:ILE:H	3	0.57
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	23	0.57
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	7	0.57
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	6	0.57
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	16	0.57
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB3	7	0.57
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	16	0.57
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	13	0.57
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	6	0.57
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	3	0.57
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	6	0.57
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	9	0.57
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	19	0.57
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	12	0.57
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	24	0.57
(2,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	5	0.57
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	2	0.57
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	3	0.57
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	10	0.57
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	14	0.57
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	6	0.57
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	11	0.57
(2,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	19	0.57
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	1	0.57
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	6	0.57
(1,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	2	0.57
(1,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	10	0.57
(1,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG2	24	0.57
(1,628)	1:9:A:THR:HG22	1:28:A:LYS:HD3	5	0.57
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	3	0.57
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	3	0.57
(1,607)	1:2:A:MET:HA	1:2:A:MET:HG3	15	0.57
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	8	0.57
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	7	0.57
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	15	0.57
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB3	7	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:20:A:ASN:H	1:21:A:ALA:HB2	11	0.57
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	1	0.57
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	14	0.57
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	13	0.57
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	8	0.57
(1,531)	1:20:A:ASN:H	1:31:A:CYS:H	24	0.57
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	2	0.57
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	5	0.57
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	6	0.57
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	11	0.57
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	12	0.57
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	20	0.57
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	22	0.57
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	9	0.57
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	19	0.57
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	11	0.57
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	11	0.57
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	2	0.57
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	8	0.57
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	19	0.57
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	23	0.57
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	24	0.57
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD1	17	0.57
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	4	0.57
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	18	0.57
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	5	0.57
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	2	0.57
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	4	0.57
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	12	0.57
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	11	0.57
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	14	0.57
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	16	0.57
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	21	0.57
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	10	0.57
(1,369)	1:9:A:THR:HG22	1:28:A:LYS:HG2	20	0.57
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG23	10	0.57
(1,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	14	0.57
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	16	0.57
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	20	0.57
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	5	0.57
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	20	0.57
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	15	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	15	0.57
(1,306)	1:22:A:SER:HA	1:30:A:ILE:HG21	15	0.57
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	9	0.57
(1,280)	1:6:A:THR:HG21	1:7:A:TYR:HD2	8	0.57
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG23	6	0.57
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	23	0.57
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG22	3	0.57
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	20	0.57
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB3	3	0.57
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	15	0.57
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	16	0.57
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB3	2	0.57
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	18	0.57
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	1	0.57
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD12	11	0.57
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB3	10	0.57
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	17	0.57
(1,179)	1:23:A:CYS:H	1:30:A:ILE:H	3	0.57
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	23	0.57
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	7	0.57
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	6	0.57
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	16	0.57
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB3	7	0.57
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	16	0.57
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	13	0.57
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	6	0.57
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	3	0.57
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	6	0.57
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	9	0.57
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	19	0.57
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	12	0.57
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	24	0.57
(1,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	5	0.57
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	2	0.57
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	3	0.57
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	10	0.57
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	14	0.57
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	6	0.57
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	11	0.57
(1,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	19	0.57
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	1	0.57
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,78)	1:25:A:LYS:HG2	1:25:A:LYS:HD3	1	0.56
(3,78)	1:25:A:LYS:HG3	1:25:A:LYS:HD2	3	0.56
(3,78)	1:25:A:LYS:HG2	1:25:A:LYS:HD3	5	0.56
(3,78)	1:25:A:LYS:HG2	1:25:A:LYS:HD3	11	0.56
(3,78)	1:25:A:LYS:HG3	1:25:A:LYS:HD2	12	0.56
(3,78)	1:25:A:LYS:HG3	1:25:A:LYS:HD2	15	0.56
(3,78)	1:25:A:LYS:HG2	1:25:A:LYS:HD3	16	0.56
(3,78)	1:25:A:LYS:HG3	1:25:A:LYS:HD2	17	0.56
(3,78)	1:25:A:LYS:HG2	1:25:A:LYS:HD3	24	0.56
(3,70)	1:36:A:ILE:HD13	1:43:A:PHE:HD2	2	0.56
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	8	0.56
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	7	0.56
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	13	0.56
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	20	0.56
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	2	0.56
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG12	9	0.56
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB2	18	0.56
(2,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	5	0.56
(2,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	12	0.56
(2,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	17	0.56
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	21	0.56
(2,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE2	18	0.56
(2,607)	1:2:A:MET:HA	1:2:A:MET:HG2	7	0.56
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	6	0.56
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	18	0.56
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	13	0.56
(2,568)	1:19:A:ALA:HB1	1:31:A:CYS:HB3	14	0.56
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	1	0.56
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	6	0.56
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	24	0.56
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	2	0.56
(2,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	9	0.56
(2,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	19	0.56
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	18	0.56
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	21	0.56
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	2	0.56
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	6	0.56
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	23	0.56
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	15	0.56
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	1	0.56
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG21	18	0.56
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	5	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	15	0.56
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	20	0.56
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	2	0.56
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD2	3	0.56
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	20	0.56
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	3	0.56
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	9	0.56
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	13	0.56
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	24	0.56
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB2	22	0.56
(2,403)	1:9:A:THR:HG23	1:28:A:LYS:HE2	1	0.56
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	15	0.56
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	11	0.56
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	14	0.56
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	13	0.56
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	5	0.56
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	15	0.56
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	24	0.56
(2,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	21	0.56
(2,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	12	0.56
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	8	0.56
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB2	17	0.56
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	1	0.56
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	24	0.56
(2,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	3	0.56
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	2	0.56
(2,325)	1:14:A:LYS:H	1:12:A:PRO:HA	9	0.56
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	17	0.56
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG22	6	0.56
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG22	21	0.56
(2,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD11	22	0.56
(2,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	8	0.56
(2,278)	1:29:A:VAL:HG11	1:5:A:ARG:HB2	6	0.56
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB1	1	0.56
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	17	0.56
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	4	0.56
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	11	0.56
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	17	0.56
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	24	0.56
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB2	4	0.56
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB2	24	0.56
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	17	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	14	0.56
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	13	0.56
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	22	0.56
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	23	0.56
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	24	0.56
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	11	0.56
(2,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	1	0.56
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	11	0.56
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	21	0.56
(2,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG22	6	0.56
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG2	20	0.56
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	17	0.56
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	11	0.56
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	5	0.56
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	15	0.56
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	7	0.56
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	2	0.56
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	5	0.56
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	16	0.56
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	19	0.56
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	10	0.56
(2,49)	1:9:A:THR:HG22	1:10:A:TYR:HD2	13	0.56
(1,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	5	0.56
(1,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG3	12	0.56
(1,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	17	0.56
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	21	0.56
(1,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE2	18	0.56
(1,607)	1:2:A:MET:HA	1:2:A:MET:HG2	7	0.56
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	6	0.56
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	18	0.56
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	13	0.56
(1,568)	1:19:A:ALA:HB1	1:31:A:CYS:HB3	14	0.56
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	1	0.56
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	6	0.56
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	24	0.56
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	2	0.56
(1,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	9	0.56
(1,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	19	0.56
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	18	0.56
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	21	0.56
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	2	0.56
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	6	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	23	0.56
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	15	0.56
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	1	0.56
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG21	18	0.56
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	5	0.56
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	15	0.56
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	20	0.56
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	2	0.56
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD2	3	0.56
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	20	0.56
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	3	0.56
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	9	0.56
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	13	0.56
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	24	0.56
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB2	22	0.56
(1,403)	1:9:A:THR:HG23	1:28:A:LYS:HE2	1	0.56
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	15	0.56
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	11	0.56
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	14	0.56
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	13	0.56
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	5	0.56
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	15	0.56
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	24	0.56
(1,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	21	0.56
(1,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD2	12	0.56
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	8	0.56
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB2	17	0.56
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	1	0.56
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	24	0.56
(1,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	3	0.56
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	2	0.56
(1,325)	1:14:A:LYS:H	1:12:A:PRO:HA	9	0.56
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	17	0.56
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG22	6	0.56
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG22	21	0.56
(1,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD11	22	0.56
(1,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	8	0.56
(1,278)	1:29:A:VAL:HG11	1:5:A:ARG:HB2	6	0.56
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB1	1	0.56
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	17	0.56
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	4	0.56
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	11	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	17	0.56
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	24	0.56
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB2	4	0.56
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB2	24	0.56
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	17	0.56
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	14	0.56
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	13	0.56
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	22	0.56
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	23	0.56
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	24	0.56
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB2	11	0.56
(1,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	1	0.56
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	11	0.56
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	21	0.56
(1,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG22	6	0.56
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG2	20	0.56
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	17	0.56
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	11	0.56
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	5	0.56
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	15	0.56
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	7	0.56
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	2	0.56
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	5	0.56
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	16	0.56
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	19	0.56
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	10	0.56
(1,49)	1:9:A:THR:HG22	1:10:A:TYR:HD2	13	0.56
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	18	0.55
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD12	8	0.55
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	1	0.55
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	14	0.55
(3,78)	1:25:A:LYS:HG3	1:25:A:LYS:HD2	2	0.55
(3,78)	1:25:A:LYS:HG3	1:25:A:LYS:HD2	14	0.55
(3,78)	1:25:A:LYS:HG2	1:25:A:LYS:HD3	22	0.55
(3,78)	1:25:A:LYS:HG3	1:25:A:LYS:HD2	23	0.55
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	12	0.55
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD12	12	0.55
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	5	0.55
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	8	0.55
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	14	0.55
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	4	0.55
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD2	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	21	0.55
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	4	0.55
(2,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	11	0.55
(2,638)	1:28:A:LYS:HB2	1:28:A:LYS:HD2	20	0.55
(2,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE1	4	0.55
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	21	0.55
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG13	9	0.55
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	12	0.55
(2,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD21	17	0.55
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	2	0.55
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	5	0.55
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	18	0.55
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	21	0.55
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	16	0.55
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	19	0.55
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	12	0.55
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	3	0.55
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	18	0.55
(2,546)	1:30:A:ILE:HG23	1:10:A:TYR:HB2	21	0.55
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	12	0.55
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	15	0.55
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	21	0.55
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	18	0.55
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	20	0.55
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	14	0.55
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	21	0.55
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	7	0.55
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	16	0.55
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	17	0.55
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	17	0.55
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	21	0.55
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	11	0.55
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	24	0.55
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	10	0.55
(2,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	2	0.55
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	11	0.55
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	20	0.55
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	9	0.55
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB2	13	0.55
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	13	0.55
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	5	0.55
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	10	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	9	0.55
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	22	0.55
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	7	0.55
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	9	0.55
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	20	0.55
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	14	0.55
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	15	0.55
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	3	0.55
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG22	8	0.55
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG21	17	0.55
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB3	2	0.55
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	9	0.55
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	6	0.55
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	22	0.55
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	8	0.55
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	16	0.55
(2,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	24	0.55
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	2	0.55
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	1	0.55
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	24	0.55
(2,253)	1:4:A:LYS:H	1:4:A:LYS:HA	6	0.55
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	20	0.55
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	20	0.55
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	15	0.55
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	9	0.55
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	19	0.55
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	6	0.55
(2,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG23	14	0.55
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	11	0.55
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	14	0.55
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	8	0.55
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG21	21	0.55
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	10	0.55
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	1	0.55
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	19	0.55
(2,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	24	0.55
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	4	0.55
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	22	0.55
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	23	0.55
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	4	0.55
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	10	0.55
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	16	0.55
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	24	0.55
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	23	0.55
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	19	0.55
(1,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	21	0.55
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	4	0.55
(1,638)	1:28:A:LYS:HB3	1:28:A:LYS:HD3	11	0.55
(1,638)	1:28:A:LYS:HB2	1:28:A:LYS:HD2	20	0.55
(1,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE1	4	0.55
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	21	0.55
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG13	9	0.55
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	12	0.55
(1,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD21	17	0.55
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	2	0.55
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	5	0.55
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	18	0.55
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	21	0.55
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	16	0.55
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	19	0.55
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	12	0.55
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	3	0.55
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	18	0.55
(1,546)	1:30:A:ILE:HG23	1:10:A:TYR:HB2	21	0.55
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	12	0.55
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	15	0.55
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	21	0.55
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	18	0.55
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	20	0.55
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	14	0.55
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	21	0.55
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	7	0.55
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	16	0.55
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	17	0.55
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	17	0.55
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	21	0.55
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	11	0.55
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	24	0.55
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	10	0.55
(1,442)	1:8:A:CYS:H	1:7:A:TYR:HD2	2	0.55
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	11	0.55
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	20	0.55
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	9	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB2	13	0.55
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	13	0.55
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	5	0.55
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	10	0.55
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	9	0.55
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	22	0.55
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	7	0.55
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	9	0.55
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	20	0.55
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	14	0.55
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	15	0.55
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	3	0.55
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG22	8	0.55
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG21	17	0.55
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB3	2	0.55
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	9	0.55
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	6	0.55
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	22	0.55
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	8	0.55
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	16	0.55
(1,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	24	0.55
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	2	0.55
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	1	0.55
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	24	0.55
(1,253)	1:4:A:LYS:H	1:4:A:LYS:HA	6	0.55
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	20	0.55
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	20	0.55
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	15	0.55
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	9	0.55
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	19	0.55
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	6	0.55
(1,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG23	14	0.55
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	11	0.55
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	14	0.55
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	8	0.55
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG21	21	0.55
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	10	0.55
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	1	0.55
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	19	0.55
(1,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	24	0.55
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	4	0.55
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	22	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	23	0.55
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	4	0.55
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	10	0.55
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	8	0.55
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	16	0.55
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	24	0.55
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	23	0.55
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	19	0.55
(3,94)	1:25:A:LYS:H	1:26:A:CYS:H	21	0.54
(3,91)	1:36:A:ILE:HD11	1:38:A:MET:HG2	18	0.54
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE2	13	0.54
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	9	0.54
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	7	0.54
(3,61)	1:25:A:LYS:HG3	1:43:A:PHE:HE2	5	0.54
(3,61)	1:25:A:LYS:HG3	1:43:A:PHE:HE2	13	0.54
(3,61)	1:25:A:LYS:HG3	1:43:A:PHE:HE2	19	0.54
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD11	18	0.54
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB2	7	0.54
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	6	0.54
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	12	0.54
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	2	0.54
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG12	4	0.54
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG21	17	0.54
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	19	0.54
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	4	0.54
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB2	1	0.54
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	23	0.54
(2,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG2	9	0.54
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	18	0.54
(2,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD3	3	0.54
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	14	0.54
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	1	0.54
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	20	0.54
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG23	1	0.54
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	3	0.54
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	14	0.54
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	14	0.54
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	1	0.54
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	14	0.54
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	1	0.54
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	24	0.54
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	7	0.54
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	3	0.54
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	14	0.54
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	4	0.54
(2,481)	1:32:A:ARG:H	1:34:A:HIS:H	6	0.54
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG22	19	0.54
(2,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	24	0.54
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	10	0.54
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	22	0.54
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	1	0.54
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	11	0.54
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	2	0.54
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	6	0.54
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	9	0.54
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	7	0.54
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	19	0.54
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	17	0.54
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	8	0.54
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	14	0.54
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	16	0.54
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	4	0.54
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	12	0.54
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	23	0.54
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	2	0.54
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	11	0.54
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	19	0.54
(2,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD11	17	0.54
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	19	0.54
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	8	0.54
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	16	0.54
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	14	0.54
(2,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB3	14	0.54
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	11	0.54
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	15	0.54
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB3	15	0.54
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB3	17	0.54
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	22	0.54
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	4	0.54
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	5	0.54
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB2	15	0.54
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	1	0.54
(2,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	18	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	10	0.54
(2,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG22	5	0.54
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	2	0.54
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	11	0.54
(2,127)	1:38:A:MET:H	1:38:A:MET:HB3	17	0.54
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB3	1	0.54
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	20	0.54
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	11	0.54
(2,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	23	0.54
(2,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD2	20	0.54
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	23	0.54
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	15	0.54
(2,6)	1:42:A:CYS:H	1:42:A:CYS:HB3	8	0.54
(1,639)	1:32:A:ARG:HB3	1:32:A:ARG:HG2	9	0.54
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	18	0.54
(1,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD3	3	0.54
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	14	0.54
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	1	0.54
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	20	0.54
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG23	1	0.54
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	3	0.54
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	14	0.54
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	14	0.54
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	1	0.54
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	14	0.54
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	1	0.54
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	24	0.54
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	2	0.54
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	7	0.54
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	3	0.54
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	14	0.54
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	4	0.54
(1,481)	1:32:A:ARG:H	1:34:A:HIS:H	6	0.54
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG22	19	0.54
(1,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	24	0.54
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	10	0.54
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	22	0.54
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	1	0.54
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	11	0.54
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	2	0.54
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	6	0.54
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	7	0.54
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	19	0.54
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	17	0.54
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	8	0.54
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	14	0.54
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	16	0.54
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	4	0.54
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	12	0.54
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	23	0.54
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	2	0.54
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	11	0.54
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	19	0.54
(1,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD11	17	0.54
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	19	0.54
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	8	0.54
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	16	0.54
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	14	0.54
(1,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB3	14	0.54
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	11	0.54
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	15	0.54
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB3	15	0.54
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB3	17	0.54
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	22	0.54
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	4	0.54
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	5	0.54
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB2	15	0.54
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	1	0.54
(1,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	18	0.54
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	10	0.54
(1,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG22	5	0.54
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	2	0.54
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	11	0.54
(1,127)	1:38:A:MET:H	1:38:A:MET:HB3	17	0.54
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB3	1	0.54
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	20	0.54
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	11	0.54
(1,86)	1:34:A:HIS:HD2	1:34:A:HIS:HB3	23	0.54
(1,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD2	20	0.54
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	23	0.54
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	15	0.54
(1,6)	1:42:A:CYS:H	1:42:A:CYS:HB3	8	0.54
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	7	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,78)	1:25:A:LYS:HG3	1:25:A:LYS:HD2	8	0.53
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE2	5	0.53
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD2	13	0.53
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	14	0.53
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	8	0.53
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	1	0.53
(2,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	19	0.53
(2,632)	1:29:A:VAL:HG23	1:5:A:ARG:HG2	18	0.53
(2,628)	1:9:A:THR:HG22	1:28:A:LYS:HD3	20	0.53
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	15	0.53
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG2	10	0.53
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	1	0.53
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG23	13	0.53
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	20	0.53
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	10	0.53
(2,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	14	0.53
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	9	0.53
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	19	0.53
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	6	0.53
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	15	0.53
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	17	0.53
(2,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	24	0.53
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	9	0.53
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	15	0.53
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	9	0.53
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	16	0.53
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	18	0.53
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	1	0.53
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	2	0.53
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	6	0.53
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	19	0.53
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	7	0.53
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD12	7	0.53
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD22	16	0.53
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	9	0.53
(2,369)	1:9:A:THR:HG21	1:28:A:LYS:HG2	16	0.53
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG21	4	0.53
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	4	0.53
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	13	0.53
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	17	0.53
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	18	0.53
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,319)	1:22:A:SER:H	1:22:A:SER:HB3	19	0.53
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	10	0.53
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	20	0.53
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	22	0.53
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	19	0.53
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	12	0.53
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	23	0.53
(2,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	21	0.53
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	4	0.53
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	13	0.53
(2,261)	1:30:A:ILE:HG21	1:39:A:CYS:HB2	10	0.53
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	22	0.53
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG21	5	0.53
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	20	0.53
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	12	0.53
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	24	0.53
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	4	0.53
(2,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	7	0.53
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	3	0.53
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	21	0.53
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	3	0.53
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	8	0.53
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	14	0.53
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	22	0.53
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	23	0.53
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	12	0.53
(2,127)	1:38:A:MET:H	1:38:A:MET:HB3	3	0.53
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	18	0.53
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	4	0.53
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	9	0.53
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	14	0.53
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	4	0.53
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	21	0.53
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	7	0.53
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	9	0.53
(2,6)	1:42:A:CYS:H	1:42:A:CYS:HB3	10	0.53
(2,6)	1:42:A:CYS:H	1:42:A:CYS:HB3	11	0.53
(1,639)	1:32:A:ARG:HB2	1:32:A:ARG:HG3	19	0.53
(1,632)	1:29:A:VAL:HG23	1:5:A:ARG:HG2	18	0.53
(1,628)	1:9:A:THR:HG22	1:28:A:LYS:HD3	20	0.53
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	15	0.53
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG2	10	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	1	0.53
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG23	13	0.53
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	20	0.53
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	10	0.53
(1,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	14	0.53
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	9	0.53
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	19	0.53
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	6	0.53
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	15	0.53
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	17	0.53
(1,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	24	0.53
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	9	0.53
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	15	0.53
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	9	0.53
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	16	0.53
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	18	0.53
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	1	0.53
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	2	0.53
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	6	0.53
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	19	0.53
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	7	0.53
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD12	7	0.53
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD22	16	0.53
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	9	0.53
(1,369)	1:9:A:THR:HG21	1:28:A:LYS:HG2	16	0.53
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG21	4	0.53
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	4	0.53
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	13	0.53
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	17	0.53
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	18	0.53
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	8	0.53
(1,319)	1:22:A:SER:H	1:22:A:SER:HB3	19	0.53
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	10	0.53
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	20	0.53
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	22	0.53
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	19	0.53
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	12	0.53
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	23	0.53
(1,299)	1:11:A:CYS:H	1:34:A:HIS:HE1	21	0.53
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	4	0.53
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	13	0.53
(1,261)	1:30:A:ILE:HG21	1:39:A:CYS:HB2	10	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	22	0.53
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG21	5	0.53
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	20	0.53
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	12	0.53
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	24	0.53
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	4	0.53
(1,213)	1:15:A:ILE:H	1:15:A:ILE:HD13	7	0.53
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	3	0.53
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	21	0.53
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	3	0.53
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	8	0.53
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	14	0.53
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	22	0.53
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	23	0.53
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	12	0.53
(1,127)	1:38:A:MET:H	1:38:A:MET:HB3	3	0.53
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	18	0.53
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	4	0.53
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	9	0.53
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	14	0.53
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	4	0.53
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	21	0.53
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	7	0.53
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	9	0.53
(1,6)	1:42:A:CYS:H	1:42:A:CYS:HB3	10	0.53
(1,6)	1:42:A:CYS:H	1:42:A:CYS:HB3	11	0.53
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	6	0.52
(3,78)	1:25:A:LYS:HG3	1:25:A:LYS:HD2	18	0.52
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	1	0.52
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	11	0.52
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	22	0.52
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	12	0.52
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	15	0.52
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	18	0.52
(3,49)	1:25:A:LYS:HD3	1:43:A:PHE:HD1	3	0.52
(2,632)	1:29:A:VAL:HG21	1:5:A:ARG:HG2	7	0.52
(2,632)	1:29:A:VAL:HG22	1:5:A:ARG:HG2	23	0.52
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	5	0.52
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	15	0.52
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	15	0.52
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	10	0.52
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	7	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	9	0.52
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	20	0.52
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG21	18	0.52
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	9	0.52
(2,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	23	0.52
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	3	0.52
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	19	0.52
(2,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	3	0.52
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	5	0.52
(2,523)	1:18:A:LYS:HB3	1:18:A:LYS:HD2	10	0.52
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	17	0.52
(2,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	1	0.52
(2,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	20	0.52
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	14	0.52
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	19	0.52
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	8	0.52
(2,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	3	0.52
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	18	0.52
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	16	0.52
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	4	0.52
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	7	0.52
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	1	0.52
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	13	0.52
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	10	0.52
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	18	0.52
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	4	0.52
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG22	1	0.52
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG22	23	0.52
(2,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	20	0.52
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	12	0.52
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	14	0.52
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	20	0.52
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	4	0.52
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	24	0.52
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	18	0.52
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	3	0.52
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	9	0.52
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	10	0.52
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	2	0.52
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	6	0.52
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD2	3	0.52
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	17	0.52
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	11	0.52
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB2	7	0.52
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	17	0.52
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	7	0.52
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	4	0.52
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	12	0.52
(2,250)	1:13:A:SER:H	1:14:A:LYS:H	11	0.52
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	9	0.52
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	2	0.52
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	16	0.52
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	12	0.52
(2,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	10	0.52
(2,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	15	0.52
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB2	9	0.52
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	10	0.52
(2,169)	1:13:A:SER:H	1:12:A:PRO:HA	11	0.52
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	3	0.52
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	20	0.52
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	24	0.52
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	20	0.52
(2,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	23	0.52
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	7	0.52
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	8	0.52
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	1	0.52
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	8	0.52
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	9	0.52
(1,632)	1:29:A:VAL:HG21	1:5:A:ARG:HG2	7	0.52
(1,632)	1:29:A:VAL:HG22	1:5:A:ARG:HG2	23	0.52
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	5	0.52
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	15	0.52
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	15	0.52
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	10	0.52
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	7	0.52
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	9	0.52
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	20	0.52
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG21	18	0.52
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	9	0.52
(1,567)	1:11:A:CYS:HB3	1:8:A:CYS:HB3	23	0.52
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	3	0.52
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	19	0.52
(1,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	5	0.52
(1,523)	1:18:A:LYS:HB3	1:18:A:LYS:HD2	10	0.52
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	17	0.52
(1,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	1	0.52
(1,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	20	0.52
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	14	0.52
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	19	0.52
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	8	0.52
(1,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	3	0.52
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	18	0.52
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	16	0.52
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	4	0.52
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	7	0.52
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	1	0.52
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	13	0.52
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	10	0.52
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	18	0.52
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	4	0.52
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG22	1	0.52
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG22	23	0.52
(1,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	20	0.52
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	12	0.52
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	14	0.52
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	20	0.52
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	4	0.52
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	24	0.52
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	18	0.52
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	3	0.52
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	9	0.52
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	10	0.52
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	2	0.52
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	6	0.52
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD2	3	0.52
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	11	0.52
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	17	0.52
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	11	0.52
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB2	7	0.52
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	17	0.52
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	7	0.52
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	4	0.52
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	12	0.52
(1,250)	1:13:A:SER:H	1:14:A:LYS:H	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	9	0.52
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	2	0.52
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	16	0.52
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	12	0.52
(1,200)	1:17:A:ARG:H	1:16:A:ARG:HB3	10	0.52
(1,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	15	0.52
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB2	9	0.52
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	10	0.52
(1,169)	1:13:A:SER:H	1:12:A:PRO:HA	11	0.52
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	3	0.52
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	20	0.52
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	24	0.52
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	20	0.52
(1,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	23	0.52
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	7	0.52
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	8	0.52
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	1	0.52
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	8	0.52
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	9	0.52
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD11	20	0.51
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	17	0.51
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	16	0.51
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	20	0.51
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	6	0.51
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	17	0.51
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	10	0.51
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	13	0.51
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG2	5	0.51
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	16	0.51
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	21	0.51
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	24	0.51
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE1	14	0.51
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE2	6	0.51
(2,563)	1:6:A:THR:HA	1:19:A:ALA:HB3	6	0.51
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	1	0.51
(2,538)	1:27:A:LYS:H	1:26:A:CYS:HA	7	0.51
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	1	0.51
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	8	0.51
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	16	0.51
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	6	0.51
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	23	0.51
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	19	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	1	0.51
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	1	0.51
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	1	0.51
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	13	0.51
(2,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	12	0.51
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	9	0.51
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	2	0.51
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	6	0.51
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG21	14	0.51
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG22	20	0.51
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	24	0.51
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	11	0.51
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	21	0.51
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	8	0.51
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB2	2	0.51
(2,403)	1:9:A:THR:HG21	1:28:A:LYS:HE3	14	0.51
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	2	0.51
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	14	0.51
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	7	0.51
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	10	0.51
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	3	0.51
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	17	0.51
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	23	0.51
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	1	0.51
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	23	0.51
(2,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE2	4	0.51
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	18	0.51
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	19	0.51
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	2	0.51
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	12	0.51
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	11	0.51
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	20	0.51
(2,319)	1:22:A:SER:H	1:22:A:SER:HB2	4	0.51
(2,319)	1:22:A:SER:H	1:22:A:SER:HB2	17	0.51
(2,319)	1:22:A:SER:H	1:22:A:SER:HB2	20	0.51
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	2	0.51
(2,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG3	10	0.51
(2,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	20	0.51
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	5	0.51
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	9	0.51
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	18	0.51
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	17	0.51
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	7	0.51
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	22	0.51
(2,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD12	4	0.51
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	3	0.51
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	20	0.51
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	3	0.51
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	21	0.51
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	14	0.51
(2,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB2	4	0.51
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	24	0.51
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	19	0.51
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	16	0.51
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD12	1	0.51
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD11	5	0.51
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	17	0.51
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	21	0.51
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	23	0.51
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	19	0.51
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	8	0.51
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG3	18	0.51
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	5	0.51
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	8	0.51
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	10	0.51
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	12	0.51
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	13	0.51
(2,127)	1:38:A:MET:H	1:38:A:MET:HB3	10	0.51
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	22	0.51
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	12	0.51
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	1	0.51
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	22	0.51
(2,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	19	0.51
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	11	0.51
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	13	0.51
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG2	5	0.51
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	16	0.51
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	21	0.51
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	24	0.51
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE1	14	0.51
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE2	6	0.51
(1,563)	1:6:A:THR:HA	1:19:A:ALA:HB3	6	0.51
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,538)	1:27:A:LYS:H	1:26:A:CYS:HA	7	0.51
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	1	0.51
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	8	0.51
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	16	0.51
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	6	0.51
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	23	0.51
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	19	0.51
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	1	0.51
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	1	0.51
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	1	0.51
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	13	0.51
(1,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	12	0.51
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	9	0.51
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	2	0.51
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	6	0.51
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG21	14	0.51
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG22	20	0.51
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	24	0.51
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	11	0.51
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	21	0.51
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	8	0.51
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB2	2	0.51
(1,403)	1:9:A:THR:HG21	1:28:A:LYS:HE3	14	0.51
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	2	0.51
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	14	0.51
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	7	0.51
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	10	0.51
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	3	0.51
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	17	0.51
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	23	0.51
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	1	0.51
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	23	0.51
(1,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE2	4	0.51
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	18	0.51
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	19	0.51
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	2	0.51
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	12	0.51
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	11	0.51
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	20	0.51
(1,319)	1:22:A:SER:H	1:22:A:SER:HB2	4	0.51
(1,319)	1:22:A:SER:H	1:22:A:SER:HB2	17	0.51
(1,319)	1:22:A:SER:H	1:22:A:SER:HB2	20	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	2	0.51
(1,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG3	10	0.51
(1,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	20	0.51
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	5	0.51
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	9	0.51
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	18	0.51
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	11	0.51
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	17	0.51
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	7	0.51
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	22	0.51
(1,295)	1:21:A:ALA:HB3	1:30:A:ILE:HD12	4	0.51
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	3	0.51
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	20	0.51
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG21	3	0.51
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	21	0.51
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	14	0.51
(1,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB2	4	0.51
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	24	0.51
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	19	0.51
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	16	0.51
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD12	1	0.51
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD11	5	0.51
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	17	0.51
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	21	0.51
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	23	0.51
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	19	0.51
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	8	0.51
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG3	18	0.51
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	5	0.51
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	8	0.51
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	10	0.51
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	12	0.51
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	13	0.51
(1,127)	1:38:A:MET:H	1:38:A:MET:HB3	10	0.51
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	22	0.51
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	12	0.51
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	1	0.51
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	22	0.51
(1,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	19	0.51
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	11	0.51
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD13	22	0.5
(3,78)	1:25:A:LYS:HG2	1:25:A:LYS:HD3	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	18	0.5
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD13	22	0.5
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	4	0.5
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	16	0.5
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	24	0.5
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG2	7	0.5
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	10	0.5
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	13	0.5
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB3	15	0.5
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	14	0.5
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB2	22	0.5
(2,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE1	16	0.5
(2,628)	1:9:A:THR:HG22	1:28:A:LYS:HD2	7	0.5
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	1	0.5
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	13	0.5
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	2	0.5
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	19	0.5
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	2	0.5
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	8	0.5
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB2	18	0.5
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	9	0.5
(2,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	18	0.5
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	16	0.5
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	24	0.5
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	24	0.5
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	7	0.5
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	17	0.5
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	23	0.5
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	17	0.5
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	19	0.5
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	12	0.5
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	17	0.5
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	4	0.5
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	21	0.5
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	19	0.5
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD2	11	0.5
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	24	0.5
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	8	0.5
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	10	0.5
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	18	0.5
(2,404)	1:9:A:THR:HG23	1:28:A:LYS:HB3	1	0.5
(2,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	13	0.5
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	21	0.5
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	14	0.5
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG21	4	0.5
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	8	0.5
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	12	0.5
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	24	0.5
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	21	0.5
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	5	0.5
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	14	0.5
(2,319)	1:22:A:SER:H	1:22:A:SER:HB2	1	0.5
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	2	0.5
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	11	0.5
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	6	0.5
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	24	0.5
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	15	0.5
(2,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	8	0.5
(2,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	10	0.5
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	2	0.5
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	22	0.5
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	7	0.5
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	9	0.5
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	16	0.5
(2,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB3	23	0.5
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	20	0.5
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	9	0.5
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	22	0.5
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	19	0.5
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	6	0.5
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	8	0.5
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	15	0.5
(2,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG21	8	0.5
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	11	0.5
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	11	0.5
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	16	0.5
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	22	0.5
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	3	0.5
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	20	0.5
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	20	0.5
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	12	0.5
(2,127)	1:38:A:MET:H	1:38:A:MET:HB2	5	0.5
(2,127)	1:38:A:MET:H	1:38:A:MET:HB3	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	13	0.5
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	1	0.5
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	9	0.5
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	2	0.5
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	15	0.5
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	17	0.5
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	10	0.5
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	21	0.5
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	12	0.5
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	12	0.5
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	6	0.5
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	1	0.5
(1,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE1	16	0.5
(1,628)	1:9:A:THR:HG22	1:28:A:LYS:HD2	7	0.5
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	1	0.5
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	13	0.5
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	2	0.5
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	19	0.5
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	2	0.5
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE1	8	0.5
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB2	18	0.5
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	9	0.5
(1,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	18	0.5
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	16	0.5
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	24	0.5
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	24	0.5
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	7	0.5
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	17	0.5
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	23	0.5
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	17	0.5
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	19	0.5
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	12	0.5
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	17	0.5
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	4	0.5
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	21	0.5
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	19	0.5
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD2	11	0.5
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	24	0.5
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	8	0.5
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	10	0.5
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	18	0.5
(1,404)	1:9:A:THR:HG23	1:28:A:LYS:HB3	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	8	0.5
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	13	0.5
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	21	0.5
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	14	0.5
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG21	4	0.5
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	8	0.5
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	12	0.5
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	24	0.5
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	21	0.5
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	5	0.5
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	14	0.5
(1,319)	1:22:A:SER:H	1:22:A:SER:HB2	1	0.5
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	2	0.5
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	11	0.5
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	6	0.5
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	24	0.5
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	15	0.5
(1,296)	1:30:A:ILE:HA	1:10:A:TYR:HD1	8	0.5
(1,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	10	0.5
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	2	0.5
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	22	0.5
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	7	0.5
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	9	0.5
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	16	0.5
(1,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB3	23	0.5
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	20	0.5
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	9	0.5
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	22	0.5
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	19	0.5
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	6	0.5
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	8	0.5
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	15	0.5
(1,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG21	8	0.5
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	11	0.5
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	11	0.5
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	16	0.5
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	22	0.5
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	3	0.5
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	20	0.5
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	20	0.5
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	12	0.5
(1,127)	1:38:A:MET:H	1:38:A:MET:HB2	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:38:A:MET:H	1:38:A:MET:HB3	7	0.5
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	13	0.5
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	1	0.5
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	9	0.5
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	2	0.5
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	15	0.5
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	17	0.5
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	10	0.5
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	21	0.5
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	12	0.5
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	12	0.5
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	6	0.5
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	1	0.5
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE2	19	0.49
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	15	0.49
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	11	0.49
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	16	0.49
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD11	4	0.49
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	11	0.49
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	17	0.49
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	16	0.49
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	14	0.49
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	17	0.49
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	22	0.49
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB2	19	0.49
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD2	16	0.49
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	24	0.49
(2,632)	1:29:A:VAL:HG12	1:5:A:ARG:HG2	9	0.49
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	16	0.49
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD2	8	0.49
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	15	0.49
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	11	0.49
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	1	0.49
(2,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	5	0.49
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	14	0.49
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	7	0.49
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	3	0.49
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	3	0.49
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	4	0.49
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	21	0.49
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	19	0.49
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	18	0.49
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	3	0.49
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	6	0.49
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	22	0.49
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD22	4	0.49
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	5	0.49
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	9	0.49
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	7	0.49
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB2	5	0.49
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	10	0.49
(2,385)	1:29:A:VAL:H	1:9:A:THR:HB	11	0.49
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	19	0.49
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB3	21	0.49
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG21	14	0.49
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	22	0.49
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	22	0.49
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	23	0.49
(2,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG3	15	0.49
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	12	0.49
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	4	0.49
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	4	0.49
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG22	12	0.49
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	15	0.49
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	22	0.49
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	5	0.49
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	4	0.49
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	6	0.49
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	18	0.49
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	21	0.49
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	6	0.49
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	15	0.49
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	2	0.49
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	17	0.49
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	3	0.49
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	24	0.49
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB2	17	0.49
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	13	0.49
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	3	0.49
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	14	0.49
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	19	0.49
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	7	0.49
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	24	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	7	0.49
(2,144)	1:11:A:CYS:H	1:10:A:TYR:HB2	6	0.49
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	1	0.49
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	4	0.49
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	11	0.49
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	12	0.49
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	24	0.49
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	6	0.49
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	11	0.49
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	17	0.49
(2,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	2	0.49
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	16	0.49
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	4	0.49
(2,90)	1:37:A:ASP:HA	1:37:A:ASP:HB3	23	0.49
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	7	0.49
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	11	0.49
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	19	0.49
(2,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	18	0.49
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	17	0.49
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	14	0.49
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	21	0.49
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	2	0.49
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	16	0.49
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB3	15	0.49
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	8	0.49
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	18	0.49
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	17	0.49
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	24	0.49
(1,632)	1:29:A:VAL:HG12	1:5:A:ARG:HG2	9	0.49
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	16	0.49
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD2	8	0.49
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	15	0.49
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	11	0.49
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	1	0.49
(1,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	5	0.49
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	14	0.49
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	7	0.49
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	3	0.49
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	3	0.49
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	4	0.49
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	21	0.49
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	4	0.49
(1,469)	1:1:A:VAL:HA	1:1:A:VAL:HB	18	0.49
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	3	0.49
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	6	0.49
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	22	0.49
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD22	4	0.49
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	5	0.49
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	9	0.49
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	7	0.49
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB2	5	0.49
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	10	0.49
(1,385)	1:29:A:VAL:H	1:9:A:THR:HB	11	0.49
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	19	0.49
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB3	21	0.49
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG21	14	0.49
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	22	0.49
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	22	0.49
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	23	0.49
(1,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG3	15	0.49
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	12	0.49
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	4	0.49
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	4	0.49
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG22	12	0.49
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	15	0.49
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	22	0.49
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	5	0.49
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	4	0.49
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	6	0.49
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	18	0.49
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	21	0.49
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	6	0.49
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	15	0.49
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	2	0.49
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	17	0.49
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	3	0.49
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	24	0.49
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB2	17	0.49
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	13	0.49
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	3	0.49
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	14	0.49
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	19	0.49
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	24	0.49
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	7	0.49
(1,144)	1:11:A:CYS:H	1:10:A:TYR:HB2	6	0.49
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	1	0.49
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	4	0.49
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	11	0.49
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	12	0.49
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	24	0.49
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	6	0.49
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	11	0.49
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	17	0.49
(1,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	2	0.49
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	16	0.49
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	4	0.49
(1,90)	1:37:A:ASP:HA	1:37:A:ASP:HB3	23	0.49
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	7	0.49
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	11	0.49
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	19	0.49
(1,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	18	0.49
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	17	0.49
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	14	0.49
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	21	0.49
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	2	0.49
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	16	0.49
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB3	15	0.49
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	8	0.49
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	18	0.49
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	17	0.49
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	24	0.48
(3,81)	1:35:A:ASN:H	1:36:A:ILE:H	12	0.48
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB2	11	0.48
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	4	0.48
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	6	0.48
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	22	0.48
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB3	12	0.48
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	24	0.48
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	10	0.48
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG23	24	0.48
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB2	10	0.48
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB2	19	0.48
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG12	17	0.48
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	10	0.48
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	13	0.48
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	19	0.48
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	24	0.48
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG23	6	0.48
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	9	0.48
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	7	0.48
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	7	0.48
(2,527)	1:27:A:LYS:HG3	1:27:A:LYS:HD2	2	0.48
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	3	0.48
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	5	0.48
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	18	0.48
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	20	0.48
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	11	0.48
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	16	0.48
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	22	0.48
(2,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	10	0.48
(2,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	22	0.48
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	10	0.48
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	9	0.48
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	16	0.48
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	17	0.48
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	10	0.48
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	18	0.48
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	12	0.48
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	3	0.48
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	15	0.48
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	14	0.48
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	2	0.48
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	4	0.48
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	5	0.48
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	21	0.48
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	1	0.48
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	12	0.48
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	15	0.48
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	23	0.48
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	23	0.48
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	16	0.48
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	8	0.48
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	23	0.48
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	18	0.48
(2,385)	1:29:A:VAL:H	1:9:A:THR:HB	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	18	0.48
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	19	0.48
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	1	0.48
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	4	0.48
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	5	0.48
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	10	0.48
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	6	0.48
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	6	0.48
(2,369)	1:9:A:THR:HG21	1:28:A:LYS:HG2	17	0.48
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	22	0.48
(2,356)	1:19:A:ALA:HB2	1:8:A:CYS:HB2	14	0.48
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	24	0.48
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB2	18	0.48
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	1	0.48
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	4	0.48
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	14	0.48
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	23	0.48
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	6	0.48
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	14	0.48
(2,319)	1:22:A:SER:H	1:22:A:SER:HB2	18	0.48
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	24	0.48
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	21	0.48
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	14	0.48
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	7	0.48
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	14	0.48
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG21	2	0.48
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	14	0.48
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	9	0.48
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	7	0.48
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	13	0.48
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	18	0.48
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	11	0.48
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	12	0.48
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	20	0.48
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	23	0.48
(2,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	22	0.48
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG2	16	0.48
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	12	0.48
(2,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG23	9	0.48
(2,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG21	24	0.48
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	1	0.48
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	17	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	20	0.48
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	5	0.48
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	17	0.48
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	24	0.48
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB2	11	0.48
(2,127)	1:38:A:MET:H	1:38:A:MET:HB3	13	0.48
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	2	0.48
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	18	0.48
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	2	0.48
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	8	0.48
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB3	11	0.48
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB3	15	0.48
(2,90)	1:37:A:ASP:HA	1:37:A:ASP:HB3	22	0.48
(2,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	24	0.48
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	17	0.48
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	5	0.48
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	9	0.48
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	18	0.48
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	24	0.48
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	6	0.48
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	4	0.48
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	7	0.48
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	8	0.48
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	11	0.48
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	12	0.48
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	22	0.48
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	10	0.48
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	13	0.48
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	19	0.48
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	24	0.48
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG23	6	0.48
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	9	0.48
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	7	0.48
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	7	0.48
(1,527)	1:27:A:LYS:HG3	1:27:A:LYS:HD2	2	0.48
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	3	0.48
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	5	0.48
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	18	0.48
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	20	0.48
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	11	0.48
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	16	0.48
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	22	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	10	0.48
(1,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	22	0.48
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	10	0.48
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	9	0.48
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	16	0.48
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	17	0.48
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	10	0.48
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	18	0.48
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	12	0.48
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	3	0.48
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	15	0.48
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	14	0.48
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	2	0.48
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	4	0.48
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	5	0.48
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	21	0.48
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	1	0.48
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	12	0.48
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	15	0.48
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	23	0.48
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	23	0.48
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	16	0.48
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	8	0.48
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	23	0.48
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	18	0.48
(1,385)	1:29:A:VAL:H	1:9:A:THR:HB	2	0.48
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	18	0.48
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	19	0.48
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	1	0.48
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	4	0.48
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	5	0.48
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	10	0.48
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	6	0.48
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	6	0.48
(1,369)	1:9:A:THR:HG21	1:28:A:LYS:HG2	17	0.48
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	22	0.48
(1,356)	1:19:A:ALA:HB2	1:8:A:CYS:HB2	14	0.48
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	24	0.48
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB2	18	0.48
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	1	0.48
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	4	0.48
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	23	0.48
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	6	0.48
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB3	14	0.48
(1,319)	1:22:A:SER:H	1:22:A:SER:HB2	18	0.48
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	24	0.48
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	21	0.48
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	14	0.48
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	7	0.48
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	14	0.48
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG21	2	0.48
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	14	0.48
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	9	0.48
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	7	0.48
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	13	0.48
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	18	0.48
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	11	0.48
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	12	0.48
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	20	0.48
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	23	0.48
(1,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	22	0.48
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG2	16	0.48
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	12	0.48
(1,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG23	9	0.48
(1,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG21	24	0.48
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	1	0.48
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	17	0.48
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	20	0.48
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	5	0.48
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	17	0.48
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	24	0.48
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB2	11	0.48
(1,127)	1:38:A:MET:H	1:38:A:MET:HB3	13	0.48
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	2	0.48
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	18	0.48
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	2	0.48
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	8	0.48
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB3	11	0.48
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB3	15	0.48
(1,90)	1:37:A:ASP:HA	1:37:A:ASP:HB3	22	0.48
(1,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	24	0.48
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	17	0.48
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	9	0.48
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	18	0.48
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	24	0.48
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	6	0.48
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	4	0.48
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	7	0.48
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	8	0.48
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	11	0.48
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	12	0.48
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	22	0.48
(3,90)	1:36:A:ILE:HD13	1:43:A:PHE:HB2	6	0.47
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD13	16	0.47
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD11	20	0.47
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB2	13	0.47
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	4	0.47
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	16	0.47
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	16	0.47
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	24	0.47
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	18	0.47
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	22	0.47
(2,635)	1:24:A:LYS:HG2	1:24:A:LYS:HE3	20	0.47
(2,628)	1:9:A:THR:HG21	1:28:A:LYS:HD2	14	0.47
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	18	0.47
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	11	0.47
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	13	0.47
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	8	0.47
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG23	5	0.47
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB3	1	0.47
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB3	5	0.47
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	16	0.47
(2,546)	1:30:A:ILE:HG23	1:10:A:TYR:HB2	10	0.47
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	15	0.47
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	7	0.47
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	8	0.47
(2,527)	1:27:A:LYS:HG3	1:27:A:LYS:HD2	19	0.47
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD2	22	0.47
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	23	0.47
(2,523)	1:18:A:LYS:HB3	1:18:A:LYS:HD2	1	0.47
(2,523)	1:18:A:LYS:HB3	1:18:A:LYS:HD2	19	0.47
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	3	0.47
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	23	0.47
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	10	0.47
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	11	0.47
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	10	0.47
(2,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	7	0.47
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	5	0.47
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG22	22	0.47
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	5	0.47
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	8	0.47
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	2	0.47
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	9	0.47
(2,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	3	0.47
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	3	0.47
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	16	0.47
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	6	0.47
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	21	0.47
(2,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	4	0.47
(2,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	11	0.47
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	4	0.47
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	23	0.47
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD13	10	0.47
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD22	6	0.47
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	13	0.47
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	7	0.47
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	12	0.47
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	17	0.47
(2,361)	1:29:A:VAL:HG11	1:22:A:SER:HB2	8	0.47
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	1	0.47
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	11	0.47
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD2	8	0.47
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	12	0.47
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	16	0.47
(2,319)	1:22:A:SER:H	1:22:A:SER:HB2	14	0.47
(2,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	5	0.47
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	3	0.47
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	15	0.47
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	17	0.47
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	19	0.47
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	9	0.47
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	13	0.47
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	2	0.47
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	19	0.47
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	1	0.47
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	3	0.47
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	9	0.47
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB2	18	0.47
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	17	0.47
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB2	21	0.47
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB2	9	0.47
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	6	0.47
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	16	0.47
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	6	0.47
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	16	0.47
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	24	0.47
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	19	0.47
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	1	0.47
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	17	0.47
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	20	0.47
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	22	0.47
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	19	0.47
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB3	11	0.47
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	20	0.47
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	24	0.47
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	2	0.47
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	16	0.47
(2,148)	1:6:A:THR:H	1:5:A:ARG:HB2	18	0.47
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	19	0.47
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	16	0.47
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	19	0.47
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	22	0.47
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	6	0.47
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	8	0.47
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	22	0.47
(2,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	11	0.47
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	17	0.47
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	1	0.47
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	10	0.47
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	6	0.47
(2,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	18	0.47
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	4	0.47
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	11	0.47
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	2	0.47
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	9	0.47
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	14	0.47
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	16	0.47
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	24	0.47
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	6	0.47
(1,635)	1:24:A:LYS:HG2	1:24:A:LYS:HE3	20	0.47
(1,628)	1:9:A:THR:HG21	1:28:A:LYS:HD2	14	0.47
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	18	0.47
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	11	0.47
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	13	0.47
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	8	0.47
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG23	5	0.47
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB3	1	0.47
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB3	5	0.47
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	16	0.47
(1,546)	1:30:A:ILE:HG23	1:10:A:TYR:HB2	10	0.47
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	15	0.47
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	7	0.47
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	8	0.47
(1,527)	1:27:A:LYS:HG3	1:27:A:LYS:HD2	19	0.47
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD2	22	0.47
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	23	0.47
(1,523)	1:18:A:LYS:HB3	1:18:A:LYS:HD2	1	0.47
(1,523)	1:18:A:LYS:HB3	1:18:A:LYS:HD2	19	0.47
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	3	0.47
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	23	0.47
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	15	0.47
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	10	0.47
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	11	0.47
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	10	0.47
(1,476)	1:15:A:ILE:HD12	1:12:A:PRO:HG2	7	0.47
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	5	0.47
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG22	22	0.47
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	5	0.47
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	8	0.47
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	2	0.47
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	9	0.47
(1,418)	1:8:A:CYS:H	1:11:A:CYS:HB2	3	0.47
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	3	0.47
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	16	0.47
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	6	0.47
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	21	0.47
(1,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	11	0.47
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	4	0.47
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	23	0.47
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD13	10	0.47
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD22	6	0.47
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	13	0.47
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	7	0.47
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	12	0.47
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	17	0.47
(1,361)	1:29:A:VAL:HG11	1:22:A:SER:HB2	8	0.47
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	1	0.47
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	11	0.47
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD2	8	0.47
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	12	0.47
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	16	0.47
(1,319)	1:22:A:SER:H	1:22:A:SER:HB2	14	0.47
(1,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	5	0.47
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	3	0.47
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	15	0.47
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	17	0.47
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	19	0.47
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	9	0.47
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	13	0.47
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	2	0.47
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	19	0.47
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	20	0.47
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	1	0.47
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	3	0.47
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	9	0.47
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB2	18	0.47
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	17	0.47
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB2	21	0.47
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB2	9	0.47
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	6	0.47
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	16	0.47
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	6	0.47
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	16	0.47
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	24	0.47
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	19	0.47
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	1	0.47
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	17	0.47
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	22	0.47
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	19	0.47
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB3	11	0.47
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	20	0.47
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	24	0.47
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	2	0.47
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	16	0.47
(1,148)	1:6:A:THR:H	1:5:A:ARG:HB2	18	0.47
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	19	0.47
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	16	0.47
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	19	0.47
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	22	0.47
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	6	0.47
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	8	0.47
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	22	0.47
(1,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	11	0.47
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	17	0.47
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	1	0.47
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	10	0.47
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	6	0.47
(1,54)	1:10:A:TYR:H	1:10:A:TYR:HB2	18	0.47
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	4	0.47
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	11	0.47
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	2	0.47
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	9	0.47
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	13	0.47
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	14	0.47
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	16	0.47
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	24	0.47
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	6	0.47
(3,78)	1:25:A:LYS:HG3	1:25:A:LYS:HD2	13	0.46
(3,72)	1:36:A:ILE:HA	1:36:A:ILE:HB	17	0.46
(3,72)	1:36:A:ILE:HA	1:36:A:ILE:HB	20	0.46
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	14	0.46
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	20	0.46
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB2	15	0.46
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG12	19	0.46
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	2	0.46
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	8	0.46
(2,628)	1:9:A:THR:HG23	1:28:A:LYS:HD3	17	0.46
(2,628)	1:9:A:THR:HG21	1:28:A:LYS:HD3	22	0.46
(2,628)	1:9:A:THR:HG22	1:28:A:LYS:HD3	23	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	11	0.46
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	23	0.46
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	6	0.46
(2,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD22	14	0.46
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	3	0.46
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	16	0.46
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	22	0.46
(2,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	21	0.46
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	24	0.46
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	20	0.46
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	1	0.46
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	10	0.46
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	11	0.46
(2,527)	1:27:A:LYS:HG3	1:27:A:LYS:HD2	15	0.46
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	24	0.46
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	2	0.46
(2,523)	1:18:A:LYS:HB3	1:18:A:LYS:HD2	8	0.46
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	8	0.46
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	21	0.46
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	8	0.46
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	24	0.46
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	14	0.46
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	21	0.46
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	24	0.46
(2,489)	1:10:A:TYR:H	1:9:A:THR:H	9	0.46
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	1	0.46
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	6	0.46
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	8	0.46
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	21	0.46
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	13	0.46
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	8	0.46
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	9	0.46
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	17	0.46
(2,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	21	0.46
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	16	0.46
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	23	0.46
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	7	0.46
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	20	0.46
(2,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE2	8	0.46
(2,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE1	20	0.46
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG23	21	0.46
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB3	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	23	0.46
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	21	0.46
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	9	0.46
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	10	0.46
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	13	0.46
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	2	0.46
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	9	0.46
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	16	0.46
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	8	0.46
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	21	0.46
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	12	0.46
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	3	0.46
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	4	0.46
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	13	0.46
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	17	0.46
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	6	0.46
(2,278)	1:29:A:VAL:HG12	1:5:A:ARG:HB3	9	0.46
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	9	0.46
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	5	0.46
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	9	0.46
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG22	18	0.46
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	21	0.46
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	24	0.46
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB3	5	0.46
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	21	0.46
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	17	0.46
(2,244)	1:22:A:SER:HA	1:29:A:VAL:HB	20	0.46
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	12	0.46
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG22	9	0.46
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	19	0.46
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	6	0.46
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	18	0.46
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	24	0.46
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	23	0.46
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	9	0.46
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	16	0.46
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	1	0.46
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	4	0.46
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	14	0.46
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	23	0.46
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	18	0.46
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	9	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	14	0.46
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	9	0.46
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	18	0.46
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB2	4	0.46
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	21	0.46
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	5	0.46
(2,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	7	0.46
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	20	0.46
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	3	0.46
(2,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	7	0.46
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD12	1	0.46
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	15	0.46
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	19	0.46
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	10	0.46
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	15	0.46
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	17	0.46
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	23	0.46
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	2	0.46
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	9	0.46
(1,628)	1:9:A:THR:HG23	1:28:A:LYS:HD3	17	0.46
(1,628)	1:9:A:THR:HG21	1:28:A:LYS:HD3	22	0.46
(1,628)	1:9:A:THR:HG22	1:28:A:LYS:HD3	23	0.46
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	11	0.46
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	23	0.46
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	6	0.46
(1,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD22	14	0.46
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	3	0.46
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	16	0.46
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	22	0.46
(1,571)	1:18:A:LYS:HA	1:7:A:TYR:HE2	21	0.46
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	24	0.46
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	20	0.46
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	1	0.46
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	10	0.46
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	11	0.46
(1,527)	1:27:A:LYS:HG3	1:27:A:LYS:HD2	15	0.46
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	24	0.46
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	2	0.46
(1,523)	1:18:A:LYS:HB3	1:18:A:LYS:HD2	8	0.46
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	8	0.46
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	21	0.46
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	24	0.46
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	14	0.46
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	21	0.46
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	24	0.46
(1,489)	1:10:A:TYR:H	1:9:A:THR:H	9	0.46
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	1	0.46
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	6	0.46
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	8	0.46
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	21	0.46
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE2	13	0.46
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD1	8	0.46
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	9	0.46
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	17	0.46
(1,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	21	0.46
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	16	0.46
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	23	0.46
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	7	0.46
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	20	0.46
(1,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE2	8	0.46
(1,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE1	20	0.46
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG23	21	0.46
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB3	18	0.46
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	23	0.46
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	21	0.46
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	9	0.46
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	10	0.46
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	13	0.46
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	2	0.46
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	9	0.46
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	16	0.46
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	8	0.46
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	21	0.46
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	12	0.46
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	3	0.46
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	4	0.46
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	13	0.46
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	17	0.46
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	6	0.46
(1,278)	1:29:A:VAL:HG12	1:5:A:ARG:HB3	9	0.46
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	9	0.46
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	5	0.46
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	9	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG22	18	0.46
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	21	0.46
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	24	0.46
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB3	5	0.46
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	21	0.46
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	17	0.46
(1,244)	1:22:A:SER:HA	1:29:A:VAL:HB	20	0.46
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	12	0.46
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG22	9	0.46
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	19	0.46
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	6	0.46
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	18	0.46
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	24	0.46
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	23	0.46
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	9	0.46
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	16	0.46
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	1	0.46
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	4	0.46
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	14	0.46
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	23	0.46
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	18	0.46
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	9	0.46
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	14	0.46
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	9	0.46
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	18	0.46
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB2	4	0.46
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	21	0.46
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	5	0.46
(1,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	7	0.46
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	20	0.46
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	3	0.46
(1,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	7	0.46
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD12	1	0.46
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	15	0.46
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	19	0.46
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	10	0.46
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	15	0.46
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	17	0.46
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	23	0.46
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	2	0.46
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	9	0.46
(3,90)	1:36:A:ILE:HD11	1:43:A:PHE:HB2	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,72)	1:36:A:ILE:HA	1:36:A:ILE:HB	1	0.45
(3,72)	1:36:A:ILE:HA	1:36:A:ILE:HB	5	0.45
(3,72)	1:36:A:ILE:HA	1:36:A:ILE:HB	6	0.45
(3,72)	1:36:A:ILE:HA	1:36:A:ILE:HB	16	0.45
(3,72)	1:36:A:ILE:HA	1:36:A:ILE:HB	21	0.45
(3,72)	1:36:A:ILE:HA	1:36:A:ILE:HB	24	0.45
(3,67)	1:25:A:LYS:HB3	1:43:A:PHE:HE2	1	0.45
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	2	0.45
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB2	13	0.45
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB3	24	0.45
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	10	0.45
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	6	0.45
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	20	0.45
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG2	19	0.45
(2,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	13	0.45
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	14	0.45
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	20	0.45
(2,619)	1:29:A:VAL:HG21	1:5:A:ARG:HD3	5	0.45
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD3	20	0.45
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	1	0.45
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	13	0.45
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	2	0.45
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	20	0.45
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	1	0.45
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	3	0.45
(2,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	5	0.45
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	7	0.45
(2,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	10	0.45
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	11	0.45
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	13	0.45
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	14	0.45
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	15	0.45
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	17	0.45
(2,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	19	0.45
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	20	0.45
(2,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	22	0.45
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	23	0.45
(2,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	24	0.45
(2,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	4	0.45
(2,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	8	0.45
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	6	0.45
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	13	0.45
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	14	0.45
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	21	0.45
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	1	0.45
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	12	0.45
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	23	0.45
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	14	0.45
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	3	0.45
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	21	0.45
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	2	0.45
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG21	15	0.45
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	9	0.45
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	15	0.45
(2,467)	1:23:A:CYS:HB2	1:26:A:CYS:HB2	8	0.45
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	1	0.45
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	5	0.45
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG3	16	0.45
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	17	0.45
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	13	0.45
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	20	0.45
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	12	0.45
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	11	0.45
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	17	0.45
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	24	0.45
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	4	0.45
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	16	0.45
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	20	0.45
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	13	0.45
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB3	3	0.45
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG22	20	0.45
(2,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	13	0.45
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	21	0.45
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	20	0.45
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	14	0.45
(2,356)	1:19:A:ALA:HB2	1:8:A:CYS:HB2	18	0.45
(2,354)	1:31:A:CYS:H	1:34:A:HIS:H	8	0.45
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	18	0.45
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB1	6	0.45
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	21	0.45
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	22	0.45
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	10	0.45
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB2	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	21	0.45
(2,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	22	0.45
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	22	0.45
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	10	0.45
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	1	0.45
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	13	0.45
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	22	0.45
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	13	0.45
(2,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD12	2	0.45
(2,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD11	7	0.45
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	5	0.45
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	8	0.45
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	18	0.45
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	24	0.45
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	9	0.45
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB3	13	0.45
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB3	16	0.45
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	24	0.45
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	9	0.45
(2,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	9	0.45
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	11	0.45
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG22	10	0.45
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG22	21	0.45
(2,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB3	22	0.45
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	7	0.45
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB2	4	0.45
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	19	0.45
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB2	2	0.45
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	20	0.45
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	19	0.45
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	4	0.45
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	12	0.45
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	18	0.45
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	3	0.45
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	6	0.45
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	12	0.45
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	17	0.45
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	19	0.45
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	19	0.45
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	12	0.45
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	15	0.45
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	7	0.45
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	23	0.45
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	1	0.45
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	2	0.45
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	4	0.45
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	7	0.45
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	13	0.45
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	14	0.45
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	19	0.45
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	20	0.45
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	21	0.45
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	22	0.45
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	22	0.45
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	14	0.45
(2,127)	1:38:A:MET:H	1:38:A:MET:HB2	23	0.45
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	23	0.45
(2,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	18	0.45
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	6	0.45
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	14	0.45
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	24	0.45
(2,90)	1:37:A:ASP:HA	1:37:A:ASP:HB3	19	0.45
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	7	0.45
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	24	0.45
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	22	0.45
(2,49)	1:9:A:THR:HG23	1:10:A:TYR:HD1	24	0.45
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	3	0.45
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	17	0.45
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	6	0.45
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	20	0.45
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	2	0.45
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	23	0.45
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	11	0.45
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG2	19	0.45
(1,629)	1:15:A:ILE:H	1:14:A:LYS:HG2	13	0.45
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	14	0.45
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	20	0.45
(1,619)	1:29:A:VAL:HG21	1:5:A:ARG:HD3	5	0.45
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD3	20	0.45
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	1	0.45
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	13	0.45
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	2	0.45
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	1	0.45
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	3	0.45
(1,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	5	0.45
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	7	0.45
(1,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	10	0.45
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	11	0.45
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	13	0.45
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	14	0.45
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	15	0.45
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	17	0.45
(1,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	19	0.45
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	20	0.45
(1,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	22	0.45
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	23	0.45
(1,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	24	0.45
(1,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	4	0.45
(1,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	8	0.45
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	6	0.45
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	9	0.45
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	13	0.45
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	14	0.45
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	21	0.45
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	1	0.45
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	12	0.45
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	23	0.45
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	14	0.45
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	3	0.45
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	21	0.45
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	2	0.45
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG21	15	0.45
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	9	0.45
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	15	0.45
(1,467)	1:23:A:CYS:HB2	1:26:A:CYS:HB2	8	0.45
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	1	0.45
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	5	0.45
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG3	16	0.45
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	17	0.45
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	13	0.45
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	20	0.45
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	12	0.45
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	11	0.45
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	24	0.45
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	4	0.45
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	16	0.45
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	20	0.45
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	13	0.45
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB3	3	0.45
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG22	20	0.45
(1,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	13	0.45
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	21	0.45
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	20	0.45
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	14	0.45
(1,356)	1:19:A:ALA:HB2	1:8:A:CYS:HB2	18	0.45
(1,354)	1:31:A:CYS:H	1:34:A:HIS:H	8	0.45
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	18	0.45
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB1	6	0.45
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	21	0.45
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	22	0.45
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	10	0.45
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB2	12	0.45
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	21	0.45
(1,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	22	0.45
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	22	0.45
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	10	0.45
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	1	0.45
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	13	0.45
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	22	0.45
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	13	0.45
(1,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD12	2	0.45
(1,295)	1:21:A:ALA:HB2	1:30:A:ILE:HD11	7	0.45
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	5	0.45
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	8	0.45
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	18	0.45
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	24	0.45
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	9	0.45
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB3	13	0.45
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB3	16	0.45
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	24	0.45
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	9	0.45
(1,276)	1:31:A:CYS:H	1:30:A:ILE:HG22	9	0.45
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	11	0.45
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG22	10	0.45
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG22	21	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB3	22	0.45
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	7	0.45
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB2	4	0.45
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	19	0.45
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB2	2	0.45
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	20	0.45
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	19	0.45
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	4	0.45
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	12	0.45
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	18	0.45
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	3	0.45
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	6	0.45
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	12	0.45
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	17	0.45
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	19	0.45
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	19	0.45
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	12	0.45
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	15	0.45
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	19	0.45
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	7	0.45
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	23	0.45
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	1	0.45
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	2	0.45
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	4	0.45
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	7	0.45
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	13	0.45
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	14	0.45
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	19	0.45
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	20	0.45
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	21	0.45
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	22	0.45
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	22	0.45
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	14	0.45
(1,127)	1:38:A:MET:H	1:38:A:MET:HB2	23	0.45
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	23	0.45
(1,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	18	0.45
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	6	0.45
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	14	0.45
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	24	0.45
(1,90)	1:37:A:ASP:HA	1:37:A:ASP:HB3	19	0.45
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	7	0.45
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	24	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	22	0.45
(1,49)	1:9:A:THR:HG23	1:10:A:TYR:HD1	24	0.45
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	3	0.45
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	17	0.45
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	6	0.45
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	20	0.45
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	2	0.45
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	23	0.45
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	11	0.45
(3,87)	1:39:A:CYS:HA	1:36:A:ILE:HD13	24	0.44
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB2	15	0.44
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB2	16	0.44
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB3	24	0.44
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	9	0.44
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	21	0.44
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG12	22	0.44
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	3	0.44
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	12	0.44
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	14	0.44
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	22	0.44
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG21	19	0.44
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB2	17	0.44
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB2	18	0.44
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	18	0.44
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	19	0.44
(2,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	16	0.44
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	4	0.44
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	2	0.44
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG2	23	0.44
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	2	0.44
(2,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	4	0.44
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	6	0.44
(2,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	8	0.44
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	9	0.44
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	12	0.44
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	16	0.44
(2,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	18	0.44
(2,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	21	0.44
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	16	0.44
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB3	9	0.44
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	2	0.44
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	17	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	4	0.44
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	14	0.44
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	5	0.44
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	17	0.44
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	12	0.44
(2,527)	1:27:A:LYS:HG3	1:27:A:LYS:HD2	16	0.44
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	21	0.44
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	5	0.44
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	22	0.44
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	13	0.44
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	1	0.44
(2,476)	1:15:A:ILE:HD13	1:12:A:PRO:HG2	10	0.44
(2,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	16	0.44
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	15	0.44
(2,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	8	0.44
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	18	0.44
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD2	16	0.44
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	3	0.44
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	4	0.44
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	11	0.44
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD2	15	0.44
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	6	0.44
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	3	0.44
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	11	0.44
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	14	0.44
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	9	0.44
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	21	0.44
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE2	8	0.44
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	22	0.44
(2,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	15	0.44
(2,403)	1:9:A:THR:HG22	1:28:A:LYS:HE3	3	0.44
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	7	0.44
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	15	0.44
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG22	9	0.44
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	13	0.44
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	15	0.44
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	13	0.44
(2,369)	1:9:A:THR:HG21	1:28:A:LYS:HG3	7	0.44
(2,361)	1:29:A:VAL:HG12	1:22:A:SER:HB3	7	0.44
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	1	0.44
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	18	0.44
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	23	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,319)	1:22:A:SER:H	1:22:A:SER:HB2	16	0.44
(2,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	6	0.44
(2,309)	1:11:A:CYS:H	1:8:A:CYS:HA	7	0.44
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	5	0.44
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	23	0.44
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	5	0.44
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	2	0.44
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	21	0.44
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	5	0.44
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	1	0.44
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	3	0.44
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	13	0.44
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	17	0.44
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	23	0.44
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	2	0.44
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	17	0.44
(2,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	17	0.44
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	24	0.44
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	20	0.44
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB3	14	0.44
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG22	17	0.44
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB2	6	0.44
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG23	22	0.44
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	9	0.44
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	11	0.44
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	15	0.44
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	9	0.44
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	7	0.44
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	7	0.44
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	10	0.44
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	14	0.44
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	16	0.44
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	20	0.44
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	24	0.44
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	13	0.44
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	24	0.44
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	4	0.44
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	16	0.44
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	14	0.44
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	23	0.44
(2,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG22	4	0.44
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG3	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	6	0.44
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	9	0.44
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	13	0.44
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	18	0.44
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	19	0.44
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	2	0.44
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	13	0.44
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	11	0.44
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	12	0.44
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	18	0.44
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	3	0.44
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	4	0.44
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	12	0.44
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	15	0.44
(2,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	13	0.44
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	14	0.44
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	20	0.44
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	5	0.44
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	15	0.44
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	21	0.44
(2,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	13	0.44
(2,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	15	0.44
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	23	0.44
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	13	0.44
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	15	0.44
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	7	0.44
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	11	0.44
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	18	0.44
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	20	0.44
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	22	0.44
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	18	0.44
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	18	0.44
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	13	0.44
(1,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	16	0.44
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	4	0.44
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	2	0.44
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG2	23	0.44
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	2	0.44
(1,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	4	0.44
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	6	0.44
(1,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	8	0.44
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	12	0.44
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	16	0.44
(1,576)	1:10:A:TYR:HD1	1:10:A:TYR:HE1	18	0.44
(1,576)	1:10:A:TYR:HD2	1:10:A:TYR:HE2	21	0.44
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	16	0.44
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB3	9	0.44
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	2	0.44
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	17	0.44
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	4	0.44
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	14	0.44
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	5	0.44
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	17	0.44
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	12	0.44
(1,527)	1:27:A:LYS:HG3	1:27:A:LYS:HD2	16	0.44
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	21	0.44
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	5	0.44
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	22	0.44
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	13	0.44
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	1	0.44
(1,476)	1:15:A:ILE:HD13	1:12:A:PRO:HG2	10	0.44
(1,473)	1:30:A:ILE:HG21	1:34:A:HIS:HB3	16	0.44
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	15	0.44
(1,448)	1:18:A:LYS:H	1:7:A:TYR:HE1	8	0.44
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	18	0.44
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD2	16	0.44
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	3	0.44
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	4	0.44
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	11	0.44
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD2	15	0.44
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	6	0.44
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	3	0.44
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	11	0.44
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	14	0.44
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	9	0.44
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	21	0.44
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE2	8	0.44
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	22	0.44
(1,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	15	0.44
(1,403)	1:9:A:THR:HG22	1:28:A:LYS:HE3	3	0.44
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	7	0.44
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	15	0.44
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG22	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	13	0.44
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	15	0.44
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	13	0.44
(1,369)	1:9:A:THR:HG21	1:28:A:LYS:HG3	7	0.44
(1,361)	1:29:A:VAL:HG12	1:22:A:SER:HB3	7	0.44
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	1	0.44
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	18	0.44
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	23	0.44
(1,319)	1:22:A:SER:H	1:22:A:SER:HB2	16	0.44
(1,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	6	0.44
(1,309)	1:11:A:CYS:H	1:8:A:CYS:HA	7	0.44
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	5	0.44
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	23	0.44
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	5	0.44
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	2	0.44
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	21	0.44
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	5	0.44
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	1	0.44
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	3	0.44
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	13	0.44
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	17	0.44
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	23	0.44
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	2	0.44
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	17	0.44
(1,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	17	0.44
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	24	0.44
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	20	0.44
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB3	14	0.44
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG22	17	0.44
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB2	6	0.44
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG23	22	0.44
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	9	0.44
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	11	0.44
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	15	0.44
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	9	0.44
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	7	0.44
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	7	0.44
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	10	0.44
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	14	0.44
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	16	0.44
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	20	0.44
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	24	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	13	0.44
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	24	0.44
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	4	0.44
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	16	0.44
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	14	0.44
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	23	0.44
(1,172)	1:19:A:ALA:HB1	1:29:A:VAL:HG22	4	0.44
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG3	2	0.44
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	6	0.44
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	9	0.44
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	13	0.44
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	18	0.44
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	19	0.44
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	2	0.44
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	13	0.44
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	11	0.44
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	12	0.44
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	18	0.44
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	3	0.44
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	4	0.44
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	12	0.44
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	15	0.44
(1,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	13	0.44
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	14	0.44
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	20	0.44
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	5	0.44
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	15	0.44
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	21	0.44
(1,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	13	0.44
(1,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	15	0.44
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	23	0.44
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	13	0.44
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	15	0.44
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	7	0.44
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	11	0.44
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	18	0.44
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	20	0.44
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	22	0.44
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	18	0.44
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	18	0.44
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	13	0.44
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG23	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD12	8	0.43
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	16	0.43
(3,56)	1:42:A:CYS:HB3	1:43:A:PHE:HD2	5	0.43
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB3	6	0.43
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	11	0.43
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	3	0.43
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	12	0.43
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	4	0.43
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	8	0.43
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG12	6	0.43
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	17	0.43
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	13	0.43
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	17	0.43
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG2	8	0.43
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	10	0.43
(2,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD2	11	0.43
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	7	0.43
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	9	0.43
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	22	0.43
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	12	0.43
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	19	0.43
(2,591)	1:18:A:LYS:HG2	1:7:A:TYR:HE2	19	0.43
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	24	0.43
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	11	0.43
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	11	0.43
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	14	0.43
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	1	0.43
(2,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	17	0.43
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	2	0.43
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	9	0.43
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	14	0.43
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	11	0.43
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	20	0.43
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	22	0.43
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	18	0.43
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	7	0.43
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	12	0.43
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	5	0.43
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	15	0.43
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	15	0.43
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	23	0.43
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD22	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD1	3	0.43
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	23	0.43
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	16	0.43
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	2	0.43
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	11	0.43
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	7	0.43
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	10	0.43
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	14	0.43
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	15	0.43
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	7	0.43
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	7	0.43
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	16	0.43
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	3	0.43
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	20	0.43
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	4	0.43
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	16	0.43
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	24	0.43
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	17	0.43
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	4	0.43
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	22	0.43
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	2	0.43
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	23	0.43
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	14	0.43
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	16	0.43
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	3	0.43
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	2	0.43
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	22	0.43
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	12	0.43
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	14	0.43
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	18	0.43
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	11	0.43
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	13	0.43
(2,319)	1:22:A:SER:H	1:22:A:SER:HB3	5	0.43
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	16	0.43
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	18	0.43
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	6	0.43
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	11	0.43
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG22	1	0.43
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	5	0.43
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	16	0.43
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	4	0.43
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	19	0.43
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG21	24	0.43
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	15	0.43
(2,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	22	0.43
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB3	13	0.43
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB3	5	0.43
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB2	6	0.43
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	8	0.43
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB2	10	0.43
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	18	0.43
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG22	22	0.43
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	19	0.43
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	6	0.43
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	19	0.43
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG21	2	0.43
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	14	0.43
(2,223)	1:14:A:LYS:H	1:13:A:SER:HB3	11	0.43
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	10	0.43
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	5	0.43
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	17	0.43
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	15	0.43
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	21	0.43
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	14	0.43
(2,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	20	0.43
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	2	0.43
(2,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE3	21	0.43
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	15	0.43
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	22	0.43
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	16	0.43
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	4	0.43
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	7	0.43
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	12	0.43
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	13	0.43
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG3	14	0.43
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	3	0.43
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	21	0.43
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	6	0.43
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	13	0.43
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	17	0.43
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	21	0.43
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	23	0.43
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	11	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	10	0.43
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	6	0.43
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	5	0.43
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	8	0.43
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	10	0.43
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	15	0.43
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	17	0.43
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	23	0.43
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	24	0.43
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	10	0.43
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	9	0.43
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	14	0.43
(2,121)	1:33:A:GLU:H	1:33:A:GLU:HB3	24	0.43
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	19	0.43
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	3	0.43
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD13	6	0.43
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	1	0.43
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	14	0.43
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	14	0.43
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	13	0.43
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	11	0.43
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	15	0.43
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	3	0.43
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	19	0.43
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	23	0.43
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	4	0.43
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	16	0.43
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	17	0.43
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG2	8	0.43
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	10	0.43
(1,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD2	11	0.43
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	7	0.43
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	9	0.43
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	22	0.43
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	12	0.43
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	19	0.43
(1,591)	1:18:A:LYS:HG2	1:7:A:TYR:HE2	19	0.43
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	24	0.43
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	11	0.43
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	11	0.43
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	14	0.43
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	17	0.43
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	2	0.43
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	9	0.43
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	14	0.43
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	11	0.43
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	20	0.43
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	22	0.43
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	18	0.43
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	7	0.43
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	12	0.43
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	5	0.43
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	15	0.43
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	15	0.43
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	23	0.43
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD22	8	0.43
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD1	3	0.43
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	23	0.43
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	16	0.43
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	2	0.43
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	11	0.43
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	7	0.43
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	10	0.43
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	14	0.43
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	15	0.43
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	7	0.43
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	7	0.43
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	16	0.43
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	3	0.43
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	20	0.43
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	4	0.43
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	16	0.43
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	24	0.43
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	17	0.43
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	4	0.43
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	22	0.43
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	2	0.43
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	23	0.43
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	14	0.43
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	16	0.43
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	3	0.43
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	2	0.43
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	22	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	12	0.43
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	14	0.43
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	18	0.43
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	11	0.43
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	13	0.43
(1,319)	1:22:A:SER:H	1:22:A:SER:HB3	5	0.43
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	16	0.43
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	18	0.43
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	6	0.43
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	11	0.43
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG22	1	0.43
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	5	0.43
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	16	0.43
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	4	0.43
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	15	0.43
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	19	0.43
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG21	24	0.43
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	15	0.43
(1,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	22	0.43
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB3	13	0.43
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB3	5	0.43
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB2	6	0.43
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	8	0.43
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB2	10	0.43
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	18	0.43
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG22	22	0.43
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	19	0.43
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	6	0.43
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	19	0.43
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG21	2	0.43
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	14	0.43
(1,223)	1:14:A:LYS:H	1:13:A:SER:HB3	11	0.43
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	10	0.43
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	5	0.43
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	17	0.43
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	15	0.43
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	21	0.43
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	14	0.43
(1,197)	1:15:A:ILE:HG21	1:12:A:PRO:HD2	20	0.43
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	2	0.43
(1,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE3	21	0.43
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	22	0.43
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	16	0.43
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	4	0.43
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	7	0.43
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	12	0.43
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	13	0.43
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG3	14	0.43
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	3	0.43
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	21	0.43
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	6	0.43
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	13	0.43
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	17	0.43
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	21	0.43
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	23	0.43
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	11	0.43
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	10	0.43
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	6	0.43
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	5	0.43
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	8	0.43
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	10	0.43
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	15	0.43
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	17	0.43
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	23	0.43
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	24	0.43
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	10	0.43
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	9	0.43
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	14	0.43
(1,121)	1:33:A:GLU:H	1:33:A:GLU:HB3	24	0.43
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	19	0.43
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	3	0.43
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD13	6	0.43
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	1	0.43
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	14	0.43
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	14	0.43
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD2	13	0.43
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	11	0.43
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	15	0.43
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	3	0.43
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	19	0.43
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	23	0.43
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	4	0.43
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,93)	1:35:A:ASN:HA	1:36:A:ILE:HG23	9	0.42
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB3	2	0.42
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB3	10	0.42
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB2	14	0.42
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	3	0.42
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	2	0.42
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	17	0.42
(3,28)	1:37:A:ASP:H	1:36:A:ILE:HD11	13	0.42
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	4	0.42
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	18	0.42
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	2	0.42
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	9	0.42
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	19	0.42
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	5	0.42
(2,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	5	0.42
(2,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	13	0.42
(2,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	23	0.42
(2,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	21	0.42
(2,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE2	22	0.42
(2,632)	1:29:A:VAL:HG22	1:5:A:ARG:HG2	8	0.42
(2,628)	1:9:A:THR:HG21	1:28:A:LYS:HD3	3	0.42
(2,628)	1:9:A:THR:HG21	1:28:A:LYS:HD3	19	0.42
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG23	18	0.42
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG23	19	0.42
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	6	0.42
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	9	0.42
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	8	0.42
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	16	0.42
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG23	4	0.42
(2,555)	1:22:A:SER:H	1:37:A:ASP:HB2	19	0.42
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	24	0.42
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	2	0.42
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	24	0.42
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	22	0.42
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	2	0.42
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	6	0.42
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	5	0.42
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	17	0.42
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	24	0.42
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	15	0.42
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	4	0.42
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD3	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	20	0.42
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	19	0.42
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	21	0.42
(2,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG12	2	0.42
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	22	0.42
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	24	0.42
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD1	16	0.42
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	17	0.42
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	15	0.42
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	23	0.42
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	17	0.42
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	9	0.42
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	1	0.42
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	6	0.42
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	18	0.42
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	20	0.42
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	5	0.42
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	3	0.42
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	13	0.42
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	5	0.42
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	14	0.42
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	19	0.42
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	20	0.42
(2,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	9	0.42
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	16	0.42
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	7	0.42
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	20	0.42
(2,385)	1:29:A:VAL:H	1:9:A:THR:HB	5	0.42
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	3	0.42
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	3	0.42
(2,378)	1:22:A:SER:H	1:23:A:CYS:H	11	0.42
(2,369)	1:9:A:THR:HG23	1:28:A:LYS:HG2	23	0.42
(2,365)	1:30:A:ILE:HD12	1:39:A:CYS:HB3	19	0.42
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG23	12	0.42
(2,361)	1:29:A:VAL:HG12	1:22:A:SER:HB2	15	0.42
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	17	0.42
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	5	0.42
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	23	0.42
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB2	5	0.42
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	13	0.42
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	22	0.42
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	18	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	12	0.42
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	3	0.42
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	5	0.42
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG22	6	0.42
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	23	0.42
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	23	0.42
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	2	0.42
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	21	0.42
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	10	0.42
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	24	0.42
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	3	0.42
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	19	0.42
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB2	23	0.42
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB3	6	0.42
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	4	0.42
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	21	0.42
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	24	0.42
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	10	0.42
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	3	0.42
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	13	0.42
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB2	14	0.42
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	9	0.42
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	5	0.42
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	2	0.42
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	6	0.42
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	8	0.42
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	13	0.42
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	19	0.42
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	23	0.42
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	6	0.42
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	1	0.42
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	5	0.42
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	8	0.42
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	10	0.42
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	18	0.42
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	21	0.42
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	6	0.42
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	5	0.42
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	7	0.42
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	8	0.42
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	15	0.42
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	22	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	8	0.42
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	8	0.42
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	21	0.42
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	3	0.42
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	8	0.42
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	16	0.42
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB3	24	0.42
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	23	0.42
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB2	7	0.42
(2,127)	1:38:A:MET:H	1:38:A:MET:HB2	4	0.42
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	23	0.42
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	13	0.42
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	22	0.42
(2,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD1	1	0.42
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD13	13	0.42
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	5	0.42
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD13	21	0.42
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	3	0.42
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	10	0.42
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	6	0.42
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	9	0.42
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	13	0.42
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	15	0.42
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	17	0.42
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	2	0.42
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	13	0.42
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	15	0.42
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	14	0.42
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	3	0.42
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	9	0.42
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	19	0.42
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	1	0.42
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB3	1	0.42
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	13	0.42
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	6	0.42
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	4	0.42
(1,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	5	0.42
(1,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	13	0.42
(1,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	23	0.42
(1,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	21	0.42
(1,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE2	22	0.42
(1,632)	1:29:A:VAL:HG22	1:5:A:ARG:HG2	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,628)	1:9:A:THR:HG21	1:28:A:LYS:HD3	3	0.42
(1,628)	1:9:A:THR:HG21	1:28:A:LYS:HD3	19	0.42
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG23	18	0.42
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG23	19	0.42
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	6	0.42
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	9	0.42
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	8	0.42
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	16	0.42
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG23	4	0.42
(1,555)	1:22:A:SER:H	1:37:A:ASP:HB2	19	0.42
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	24	0.42
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	2	0.42
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	24	0.42
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	22	0.42
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	2	0.42
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	6	0.42
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	5	0.42
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	17	0.42
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	24	0.42
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	15	0.42
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	4	0.42
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD3	20	0.42
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	20	0.42
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	19	0.42
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	21	0.42
(1,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG12	2	0.42
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	22	0.42
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	24	0.42
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD1	16	0.42
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	17	0.42
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	15	0.42
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	23	0.42
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	17	0.42
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	9	0.42
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	1	0.42
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	6	0.42
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	18	0.42
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	20	0.42
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	5	0.42
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	3	0.42
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	13	0.42
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	14	0.42
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	19	0.42
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	20	0.42
(1,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	9	0.42
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	16	0.42
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	7	0.42
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	20	0.42
(1,385)	1:29:A:VAL:H	1:9:A:THR:HB	5	0.42
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	3	0.42
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	3	0.42
(1,378)	1:22:A:SER:H	1:23:A:CYS:H	11	0.42
(1,369)	1:9:A:THR:HG23	1:28:A:LYS:HG2	23	0.42
(1,365)	1:30:A:ILE:HD12	1:39:A:CYS:HB3	19	0.42
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG23	12	0.42
(1,361)	1:29:A:VAL:HG12	1:22:A:SER:HB2	15	0.42
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	17	0.42
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	5	0.42
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	23	0.42
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB2	5	0.42
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	13	0.42
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	22	0.42
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	18	0.42
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	12	0.42
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	3	0.42
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	5	0.42
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG22	6	0.42
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	23	0.42
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	23	0.42
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	2	0.42
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	21	0.42
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	10	0.42
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	24	0.42
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	3	0.42
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	19	0.42
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB2	23	0.42
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB3	6	0.42
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	4	0.42
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	21	0.42
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	24	0.42
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	10	0.42
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	3	0.42
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB2	14	0.42
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	9	0.42
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	5	0.42
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	2	0.42
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	6	0.42
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	8	0.42
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	13	0.42
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	19	0.42
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	23	0.42
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	6	0.42
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	1	0.42
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	5	0.42
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	8	0.42
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	10	0.42
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	18	0.42
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	21	0.42
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	6	0.42
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	5	0.42
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	7	0.42
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	8	0.42
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	15	0.42
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	22	0.42
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	8	0.42
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	8	0.42
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	21	0.42
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	3	0.42
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	8	0.42
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	16	0.42
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB3	24	0.42
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	23	0.42
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB2	7	0.42
(1,127)	1:38:A:MET:H	1:38:A:MET:HB2	4	0.42
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	23	0.42
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	13	0.42
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	22	0.42
(1,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD1	1	0.42
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD13	13	0.42
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	5	0.42
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD13	21	0.42
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	3	0.42
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	10	0.42
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	9	0.42
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	13	0.42
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	15	0.42
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	17	0.42
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	2	0.42
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	13	0.42
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	15	0.42
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	14	0.42
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	3	0.42
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	9	0.42
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	19	0.42
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	1	0.42
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB3	1	0.42
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	13	0.42
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	6	0.42
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	4	0.42
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG3	12	0.41
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	19	0.41
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	1	0.41
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	4	0.41
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB3	17	0.41
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB3	18	0.41
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB3	21	0.41
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB3	4	0.41
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB3	12	0.41
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	10	0.41
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD11	8	0.41
(2,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	1	0.41
(2,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	3	0.41
(2,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	6	0.41
(2,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG2	12	0.41
(2,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	15	0.41
(2,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	18	0.41
(2,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG2	19	0.41
(2,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	21	0.41
(2,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG2	24	0.41
(2,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	15	0.41
(2,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	24	0.41
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG2	10	0.41
(2,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE2	5	0.41
(2,628)	1:9:A:THR:HG22	1:28:A:LYS:HD2	6	0.41
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD3	1	0.41
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	16	0.41
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	17	0.41
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	24	0.41
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	7	0.41
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	9	0.41
(2,606)	1:4:A:LYS:H	1:4:A:LYS:HB3	12	0.41
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	3	0.41
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	9	0.41
(2,597)	1:29:A:VAL:H	1:28:A:LYS:HG3	1	0.41
(2,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	17	0.41
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD2	18	0.41
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	5	0.41
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	22	0.41
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	7	0.41
(2,527)	1:27:A:LYS:HG3	1:27:A:LYS:HD2	17	0.41
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	7	0.41
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	4	0.41
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	18	0.41
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	20	0.41
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	12	0.41
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	7	0.41
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	8	0.41
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	4	0.41
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	7	0.41
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	13	0.41
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	1	0.41
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	13	0.41
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	1	0.41
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	13	0.41
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	21	0.41
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	2	0.41
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	4	0.41
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	5	0.41
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	13	0.41
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	17	0.41
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	21	0.41
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	8	0.41
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	15	0.41
(2,423)	1:22:A:SER:H	1:30:A:ILE:H	7	0.41
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	12	0.41
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	4	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	18	0.41
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD13	20	0.41
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	17	0.41
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	13	0.41
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	6	0.41
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	20	0.41
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	16	0.41
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB3	12	0.41
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	12	0.41
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	19	0.41
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	4	0.41
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	4	0.41
(2,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	22	0.41
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	6	0.41
(2,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	1	0.41
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	19	0.41
(2,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	18	0.41
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	8	0.41
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	13	0.41
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	23	0.41
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	7	0.41
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	13	0.41
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	11	0.41
(2,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	15	0.41
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	6	0.41
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	7	0.41
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	22	0.41
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	19	0.41
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	20	0.41
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	13	0.41
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB2	11	0.41
(2,257)	1:4:A:LYS:H	1:3:A:LYS:HA	1	0.41
(2,257)	1:4:A:LYS:H	1:3:A:LYS:HA	24	0.41
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	20	0.41
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	22	0.41
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB3	10	0.41
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB2	1	0.41
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	7	0.41
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	10	0.41
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB2	24	0.41
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	12	0.41
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD2	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,222)	1:14:A:LYS:H	1:15:A:ILE:H	9	0.41
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	9	0.41
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	10	0.41
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	18	0.41
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	1	0.41
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	3	0.41
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	4	0.41
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	5	0.41
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	9	0.41
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	11	0.41
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	17	0.41
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	22	0.41
(2,204)	1:31:A:CYS:H	1:31:A:CYS:HA	23	0.41
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG2	20	0.41
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	9	0.41
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	15	0.41
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	22	0.41
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	2	0.41
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	15	0.41
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	15	0.41
(2,156)	1:5:A:ARG:H	1:5:A:ARG:HA	24	0.41
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG2	14	0.41
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	3	0.41
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	4	0.41
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	10	0.41
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	16	0.41
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	24	0.41
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	6	0.41
(2,135)	1:9:A:THR:H	1:8:A:CYS:HA	16	0.41
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	13	0.41
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	2	0.41
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	3	0.41
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	11	0.41
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	4	0.41
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	14	0.41
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	1	0.41
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	6	0.41
(2,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	13	0.41
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	3	0.41
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	8	0.41
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	9	0.41
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	20	0.41
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	1	0.41
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	5	0.41
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	10	0.41
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	16	0.41
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	18	0.41
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	20	0.41
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	5	0.41
(2,29)	1:20:A:ASN:H	1:20:A:ASN:HA	21	0.41
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB1	5	0.41
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	10	0.41
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	2	0.41
(1,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	1	0.41
(1,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	3	0.41
(1,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	6	0.41
(1,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG2	12	0.41
(1,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	15	0.41
(1,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	18	0.41
(1,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG2	19	0.41
(1,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	21	0.41
(1,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG2	24	0.41
(1,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	15	0.41
(1,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	24	0.41
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG2	10	0.41
(1,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE2	5	0.41
(1,628)	1:9:A:THR:HG22	1:28:A:LYS:HD2	6	0.41
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	9	0.41
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD3	1	0.41
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	16	0.41
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	17	0.41
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	24	0.41
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	7	0.41
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	9	0.41
(1,606)	1:4:A:LYS:H	1:4:A:LYS:HB3	12	0.41
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	3	0.41
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	9	0.41
(1,597)	1:29:A:VAL:H	1:28:A:LYS:HG3	1	0.41
(1,595)	1:18:A:LYS:H	1:18:A:LYS:HG3	17	0.41
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD2	18	0.41
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	5	0.41
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	22	0.41
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:27:A:LYS:HG3	1:27:A:LYS:HD2	17	0.41
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	7	0.41
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	4	0.41
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	18	0.41
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	20	0.41
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	12	0.41
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	7	0.41
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	8	0.41
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	4	0.41
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	7	0.41
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	13	0.41
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	1	0.41
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	13	0.41
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	1	0.41
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	13	0.41
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	21	0.41
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	2	0.41
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	4	0.41
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	5	0.41
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	13	0.41
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	17	0.41
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	21	0.41
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	8	0.41
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	15	0.41
(1,423)	1:22:A:SER:H	1:30:A:ILE:H	7	0.41
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	12	0.41
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	4	0.41
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	18	0.41
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD13	20	0.41
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	17	0.41
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	13	0.41
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	6	0.41
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	20	0.41
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	16	0.41
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB3	12	0.41
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB2	12	0.41
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	19	0.41
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	4	0.41
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	4	0.41
(1,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	22	0.41
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	6	0.41
(1,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	19	0.41
(1,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	18	0.41
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	8	0.41
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	13	0.41
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	23	0.41
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	7	0.41
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	13	0.41
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	11	0.41
(1,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	15	0.41
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	6	0.41
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	7	0.41
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	22	0.41
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	19	0.41
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	20	0.41
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	13	0.41
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB2	11	0.41
(1,257)	1:4:A:LYS:H	1:3:A:LYS:HA	1	0.41
(1,257)	1:4:A:LYS:H	1:3:A:LYS:HA	24	0.41
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	20	0.41
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	22	0.41
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB3	10	0.41
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB2	1	0.41
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	7	0.41
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	10	0.41
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB2	24	0.41
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	12	0.41
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD2	1	0.41
(1,222)	1:14:A:LYS:H	1:15:A:ILE:H	9	0.41
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	9	0.41
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	10	0.41
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	18	0.41
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	1	0.41
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	3	0.41
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	4	0.41
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	5	0.41
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	9	0.41
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	11	0.41
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	17	0.41
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	22	0.41
(1,204)	1:31:A:CYS:H	1:31:A:CYS:HA	23	0.41
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG2	20	0.41
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	15	0.41
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	22	0.41
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	2	0.41
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	15	0.41
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	15	0.41
(1,156)	1:5:A:ARG:H	1:5:A:ARG:HA	24	0.41
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG2	14	0.41
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	3	0.41
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	4	0.41
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	10	0.41
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	16	0.41
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	24	0.41
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	6	0.41
(1,135)	1:9:A:THR:H	1:8:A:CYS:HA	16	0.41
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	13	0.41
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	2	0.41
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	3	0.41
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	11	0.41
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	4	0.41
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB2	14	0.41
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	1	0.41
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	6	0.41
(1,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	13	0.41
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	3	0.41
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	8	0.41
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	9	0.41
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	12	0.41
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	20	0.41
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	1	0.41
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	5	0.41
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	10	0.41
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	16	0.41
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	18	0.41
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	20	0.41
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	5	0.41
(1,29)	1:20:A:ASN:H	1:20:A:ASN:HA	21	0.41
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB1	5	0.41
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	10	0.41
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	2	0.41
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	10	0.4
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	12	0.4
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB3	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	15	0.4
(3,40)	1:25:A:LYS:HD3	1:43:A:PHE:HE2	13	0.4
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	5	0.4
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB2	20	0.4
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB2	14	0.4
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB3	21	0.4
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	12	0.4
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	16	0.4
(2,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	4	0.4
(2,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	11	0.4
(2,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	16	0.4
(2,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD2	18	0.4
(2,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	19	0.4
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	7	0.4
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	11	0.4
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	13	0.4
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	21	0.4
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	21	0.4
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	19	0.4
(2,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	15	0.4
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	12	0.4
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	3	0.4
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	11	0.4
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	12	0.4
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	11	0.4
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	16	0.4
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	22	0.4
(2,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	13	0.4
(2,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	21	0.4
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	4	0.4
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	2	0.4
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	13	0.4
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG22	13	0.4
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	13	0.4
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	22	0.4
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG22	20	0.4
(2,450)	1:9:A:THR:H	1:30:A:ILE:HA	23	0.4
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD12	13	0.4
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD2	1	0.4
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD1	21	0.4
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	12	0.4
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	21	0.4
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	19	0.4
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	6	0.4
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	3	0.4
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	7	0.4
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	14	0.4
(2,404)	1:9:A:THR:HG23	1:28:A:LYS:HB3	23	0.4
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	1	0.4
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	2	0.4
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	4	0.4
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	11	0.4
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	12	0.4
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	22	0.4
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	7	0.4
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	24	0.4
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB2	4	0.4
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB3	24	0.4
(2,361)	1:29:A:VAL:HG12	1:22:A:SER:HB2	12	0.4
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	11	0.4
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	3	0.4
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	8	0.4
(2,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	2	0.4
(2,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	3	0.4
(2,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	7	0.4
(2,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	11	0.4
(2,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE2	15	0.4
(2,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	19	0.4
(2,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	23	0.4
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	18	0.4
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	24	0.4
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	23	0.4
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	23	0.4
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	4	0.4
(2,319)	1:22:A:SER:H	1:22:A:SER:HB2	2	0.4
(2,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	1	0.4
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	23	0.4
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	19	0.4
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	1	0.4
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	8	0.4
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	10	0.4
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	12	0.4
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	24	0.4
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	16	0.4
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	21	0.4
(2,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	6	0.4
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	9	0.4
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	12	0.4
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	13	0.4
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	19	0.4
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	7	0.4
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	11	0.4
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	19	0.4
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG22	3	0.4
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	4	0.4
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB2	1	0.4
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB3	23	0.4
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	21	0.4
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	3	0.4
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	21	0.4
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	7	0.4
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	22	0.4
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	24	0.4
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	9	0.4
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	24	0.4
(2,209)	1:26:A:CYS:H	1:26:A:CYS:HB2	15	0.4
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	6	0.4
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	7	0.4
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	8	0.4
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	14	0.4
(2,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	8	0.4
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	13	0.4
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	7	0.4
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	22	0.4
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	7	0.4
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	17	0.4
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	3	0.4
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	9	0.4
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	11	0.4
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	22	0.4
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	24	0.4
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	20	0.4
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	1	0.4
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	11	0.4
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	15	0.4
(2,127)	1:38:A:MET:H	1:38:A:MET:HB3	8	0.4
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	18	0.4
(2,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	11	0.4
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	1	0.4
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG21	1	0.4
(2,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	4	0.4
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	9	0.4
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	16	0.4
(2,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	2	0.4
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	19	0.4
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	4	0.4
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	7	0.4
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	13	0.4
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	20	0.4
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	4	0.4
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	8	0.4
(2,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	9	0.4
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	9	0.4
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	12	0.4
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	10	0.4
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	22	0.4
(1,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	4	0.4
(1,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	11	0.4
(1,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	16	0.4
(1,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD2	18	0.4
(1,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	19	0.4
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	7	0.4
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	11	0.4
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	13	0.4
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	21	0.4
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	21	0.4
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	19	0.4
(1,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	15	0.4
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	12	0.4
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	3	0.4
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	11	0.4
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	12	0.4
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	11	0.4
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	16	0.4
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	22	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,523)	1:18:A:LYS:HB2	1:18:A:LYS:HD3	13	0.4
(1,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	21	0.4
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	4	0.4
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	2	0.4
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	13	0.4
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG22	13	0.4
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	13	0.4
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	22	0.4
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG22	20	0.4
(1,450)	1:9:A:THR:H	1:30:A:ILE:HA	23	0.4
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD12	13	0.4
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD2	1	0.4
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD1	21	0.4
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	12	0.4
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	20	0.4
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	21	0.4
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	19	0.4
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	6	0.4
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	3	0.4
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	7	0.4
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	14	0.4
(1,404)	1:9:A:THR:HG23	1:28:A:LYS:HB3	23	0.4
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	1	0.4
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	2	0.4
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	4	0.4
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	11	0.4
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	12	0.4
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	22	0.4
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	7	0.4
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	24	0.4
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB2	4	0.4
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB3	24	0.4
(1,361)	1:29:A:VAL:HG12	1:22:A:SER:HB2	12	0.4
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	11	0.4
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	3	0.4
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	8	0.4
(1,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	2	0.4
(1,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	3	0.4
(1,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	7	0.4
(1,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	11	0.4
(1,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE2	15	0.4
(1,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	23	0.4
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	18	0.4
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	24	0.4
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	23	0.4
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	23	0.4
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	4	0.4
(1,319)	1:22:A:SER:H	1:22:A:SER:HB2	2	0.4
(1,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	1	0.4
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	23	0.4
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	19	0.4
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	1	0.4
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	8	0.4
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	10	0.4
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	12	0.4
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	20	0.4
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	24	0.4
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	16	0.4
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	21	0.4
(1,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	6	0.4
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	9	0.4
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	12	0.4
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	13	0.4
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	19	0.4
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	7	0.4
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	11	0.4
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	19	0.4
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG22	3	0.4
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	4	0.4
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB2	1	0.4
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB3	23	0.4
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	21	0.4
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	3	0.4
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	21	0.4
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	7	0.4
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	22	0.4
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	24	0.4
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	9	0.4
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	24	0.4
(1,209)	1:26:A:CYS:H	1:26:A:CYS:HB2	15	0.4
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	6	0.4
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	7	0.4
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	14	0.4
(1,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	8	0.4
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	13	0.4
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	7	0.4
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	22	0.4
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	7	0.4
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	17	0.4
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	3	0.4
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	9	0.4
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	11	0.4
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	22	0.4
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	24	0.4
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	20	0.4
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	1	0.4
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	2	0.4
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	11	0.4
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	15	0.4
(1,127)	1:38:A:MET:H	1:38:A:MET:HB3	8	0.4
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	18	0.4
(1,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	11	0.4
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	1	0.4
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG21	1	0.4
(1,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	4	0.4
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	9	0.4
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	16	0.4
(1,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	2	0.4
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	19	0.4
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	4	0.4
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	7	0.4
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	13	0.4
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	20	0.4
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	4	0.4
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	8	0.4
(1,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	9	0.4
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	9	0.4
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	12	0.4
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	10	0.4
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	22	0.4
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE2	21	0.39
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	18	0.39
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB3	3	0.39
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB3	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	22	0.39
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	23	0.39
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	19	0.39
(3,25)	1:37:A:ASP:H	1:36:A:ILE:HA	22	0.39
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD11	5	0.39
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	6	0.39
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	13	0.39
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	21	0.39
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	24	0.39
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	15	0.39
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	5	0.39
(2,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	2	0.39
(2,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	10	0.39
(2,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG2	17	0.39
(2,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	20	0.39
(2,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG2	22	0.39
(2,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD3	8	0.39
(2,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	12	0.39
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG23	11	0.39
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	9	0.39
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	5	0.39
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG2	15	0.39
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	20	0.39
(2,545)	1:15:A:ILE:HG21	1:17:A:ARG:HD2	5	0.39
(2,545)	1:15:A:ILE:HG21	1:17:A:ARG:HD3	11	0.39
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	7	0.39
(2,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD12	9	0.39
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	2	0.39
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	6	0.39
(2,524)	1:18:A:LYS:HG2	1:18:A:LYS:HD3	10	0.39
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	15	0.39
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	23	0.39
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	16	0.39
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	10	0.39
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	22	0.39
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	8	0.39
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	23	0.39
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	4	0.39
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	5	0.39
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	14	0.39
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG21	8	0.39
(2,472)	1:23:A:CYS:HB3	1:28:A:LYS:HB3	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	17	0.39
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	8	0.39
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	2	0.39
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	10	0.39
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	18	0.39
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	21	0.39
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	7	0.39
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	19	0.39
(2,450)	1:9:A:THR:H	1:30:A:ILE:HA	11	0.39
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	11	0.39
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	2	0.39
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	9	0.39
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	20	0.39
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD2	13	0.39
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	10	0.39
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	16	0.39
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	22	0.39
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	17	0.39
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	14	0.39
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	21	0.39
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	10	0.39
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	8	0.39
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG22	13	0.39
(2,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	22	0.39
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	13	0.39
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	16	0.39
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	23	0.39
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	24	0.39
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	6	0.39
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	12	0.39
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	10	0.39
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	4	0.39
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB3	22	0.39
(2,361)	1:29:A:VAL:HG11	1:22:A:SER:HB2	11	0.39
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	6	0.39
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	11	0.39
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	7	0.39
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	4	0.39
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	10	0.39
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	11	0.39
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	17	0.39
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	5	0.39
(2,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE2	6	0.39
(2,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE3	8	0.39
(2,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	9	0.39
(2,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	16	0.39
(2,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	17	0.39
(2,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	24	0.39
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	13	0.39
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	24	0.39
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	19	0.39
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	11	0.39
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	9	0.39
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	14	0.39
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	20	0.39
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB2	17	0.39
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG21	13	0.39
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	17	0.39
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	10	0.39
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	2	0.39
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	4	0.39
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	8	0.39
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	18	0.39
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	17	0.39
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB2	16	0.39
(2,226)	1:16:A:ARG:H	1:15:A:ILE:HB	23	0.39
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	16	0.39
(2,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	14	0.39
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	1	0.39
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	9	0.39
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	3	0.39
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	10	0.39
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	16	0.39
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB3	16	0.39
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	8	0.39
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	11	0.39
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	8	0.39
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	16	0.39
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	17	0.39
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	7	0.39
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	9	0.39
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	14	0.39
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	11	0.39
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	2	0.39
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	7	0.39
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	18	0.39
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	19	0.39
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	12	0.39
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	16	0.39
(2,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	16	0.39
(2,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	17	0.39
(2,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	22	0.39
(2,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	23	0.39
(2,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	16	0.39
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	24	0.39
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	8	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	1	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	3	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	4	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	5	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	6	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	7	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	8	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	10	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	11	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	12	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	13	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	14	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	15	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	16	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	17	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	18	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	19	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	20	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	21	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	22	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	23	0.39
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	24	0.39
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	22	0.39
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	9	0.39
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	7	0.39
(2,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	22	0.39
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	13	0.39
(2,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	9	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	2	0.39
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	5	0.39
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	16	0.39
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	19	0.39
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	12	0.39
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	17	0.39
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	1	0.39
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	7	0.39
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	24	0.39
(2,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	3	0.39
(2,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	4	0.39
(2,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	6	0.39
(2,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	7	0.39
(2,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	12	0.39
(2,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	17	0.39
(2,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	24	0.39
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	17	0.39
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD2	5	0.39
(1,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	2	0.39
(1,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	10	0.39
(1,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG2	17	0.39
(1,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	20	0.39
(1,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG2	22	0.39
(1,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD3	8	0.39
(1,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	12	0.39
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG23	11	0.39
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	9	0.39
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	5	0.39
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG2	15	0.39
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD3	20	0.39
(1,545)	1:15:A:ILE:HG21	1:17:A:ARG:HD2	5	0.39
(1,545)	1:15:A:ILE:HG21	1:17:A:ARG:HD3	11	0.39
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG3	7	0.39
(1,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD12	9	0.39
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	2	0.39
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	6	0.39
(1,524)	1:18:A:LYS:HG2	1:18:A:LYS:HD3	10	0.39
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	15	0.39
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	23	0.39
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	16	0.39
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	10	0.39
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	22	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	8	0.39
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	23	0.39
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	4	0.39
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	5	0.39
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	14	0.39
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG21	8	0.39
(1,472)	1:23:A:CYS:HB3	1:28:A:LYS:HB3	1	0.39
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	17	0.39
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	8	0.39
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	2	0.39
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	10	0.39
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	18	0.39
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	21	0.39
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	7	0.39
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	19	0.39
(1,450)	1:9:A:THR:H	1:30:A:ILE:HA	11	0.39
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	11	0.39
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	2	0.39
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	9	0.39
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	20	0.39
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD2	13	0.39
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	10	0.39
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	16	0.39
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	22	0.39
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	17	0.39
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	14	0.39
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	21	0.39
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	10	0.39
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	8	0.39
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG22	13	0.39
(1,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	22	0.39
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	13	0.39
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	16	0.39
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	23	0.39
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	24	0.39
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	6	0.39
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	12	0.39
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	10	0.39
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	4	0.39
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB3	22	0.39
(1,361)	1:29:A:VAL:HG11	1:22:A:SER:HB2	11	0.39
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	11	0.39
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	7	0.39
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	4	0.39
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	10	0.39
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	11	0.39
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	17	0.39
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	19	0.39
(1,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	5	0.39
(1,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE2	6	0.39
(1,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE3	8	0.39
(1,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	9	0.39
(1,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	16	0.39
(1,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	17	0.39
(1,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	24	0.39
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	13	0.39
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	24	0.39
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	19	0.39
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	11	0.39
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	9	0.39
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	14	0.39
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	20	0.39
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB2	17	0.39
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG21	13	0.39
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	17	0.39
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	10	0.39
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	2	0.39
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	4	0.39
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	8	0.39
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	18	0.39
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	17	0.39
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB2	16	0.39
(1,226)	1:16:A:ARG:H	1:15:A:ILE:HB	23	0.39
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	16	0.39
(1,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	14	0.39
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	1	0.39
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	9	0.39
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	3	0.39
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	10	0.39
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	16	0.39
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB3	16	0.39
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	8	0.39
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	8	0.39
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	16	0.39
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	17	0.39
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	7	0.39
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	9	0.39
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	14	0.39
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	16	0.39
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	11	0.39
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	2	0.39
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	7	0.39
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	18	0.39
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	19	0.39
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	12	0.39
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	16	0.39
(1,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	16	0.39
(1,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	17	0.39
(1,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	22	0.39
(1,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	23	0.39
(1,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	16	0.39
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	24	0.39
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG23	8	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	1	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	3	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	4	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	5	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	6	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	7	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	8	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	10	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	11	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	12	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	13	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	14	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	15	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	16	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	17	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	18	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	19	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	20	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	21	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	22	0.39
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	23	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	24	0.39
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	22	0.39
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	9	0.39
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	7	0.39
(1,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	22	0.39
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	13	0.39
(1,71)	1:23:A:CYS:HA	1:30:A:ILE:HD11	9	0.39
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	2	0.39
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	5	0.39
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	16	0.39
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	19	0.39
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	12	0.39
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	17	0.39
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	1	0.39
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	7	0.39
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	24	0.39
(1,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	3	0.39
(1,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	4	0.39
(1,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	6	0.39
(1,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	7	0.39
(1,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	12	0.39
(1,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	17	0.39
(1,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	24	0.39
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	17	0.39
(3,92)	1:36:A:ILE:HG23	1:38:A:MET:HG2	9	0.38
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB3	19	0.38
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	8	0.38
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	22	0.38
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB3	7	0.38
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB3	14	0.38
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB3	22	0.38
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	7	0.38
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	1	0.38
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	13	0.38
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	18	0.38
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB3	9	0.38
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD13	19	0.38
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG12	16	0.38
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB2	8	0.38
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	1	0.38
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	2	0.38
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	15	0.38
(2,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	7	0.38
(2,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	10	0.38
(2,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	11	0.38
(2,628)	1:9:A:THR:HG22	1:28:A:LYS:HD2	12	0.38
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	2	0.38
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	20	0.38
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD3	19	0.38
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	2	0.38
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	7	0.38
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	9	0.38
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	22	0.38
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	2	0.38
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	4	0.38
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	10	0.38
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	21	0.38
(2,535)	1:21:A:ALA:H	1:30:A:ILE:H	8	0.38
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	24	0.38
(2,524)	1:18:A:LYS:HG2	1:18:A:LYS:HD3	1	0.38
(2,524)	1:18:A:LYS:HG2	1:18:A:LYS:HD3	19	0.38
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	21	0.38
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	6	0.38
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	9	0.38
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	14	0.38
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	8	0.38
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	18	0.38
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	13	0.38
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	5	0.38
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	13	0.38
(2,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG12	13	0.38
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	1	0.38
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	8	0.38
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	2	0.38
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	9	0.38
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	22	0.38
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	19	0.38
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	24	0.38
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	1	0.38
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	23	0.38
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	15	0.38
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	15	0.38
(2,424)	1:22:A:SER:H	1:30:A:ILE:HG12	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	5	0.38
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD13	24	0.38
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	5	0.38
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	7	0.38
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	18	0.38
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	19	0.38
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	6	0.38
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG21	19	0.38
(2,385)	1:29:A:VAL:H	1:9:A:THR:HB	6	0.38
(2,369)	1:9:A:THR:HG22	1:28:A:LYS:HG2	15	0.38
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	8	0.38
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	13	0.38
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	20	0.38
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	21	0.38
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	11	0.38
(2,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	10	0.38
(2,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	12	0.38
(2,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE2	13	0.38
(2,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE3	18	0.38
(2,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	21	0.38
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	23	0.38
(2,327)	1:34:A:HIS:H	1:32:A:ARG:HA	21	0.38
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	20	0.38
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	10	0.38
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	21	0.38
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	17	0.38
(2,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD13	13	0.38
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG22	1	0.38
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	3	0.38
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	7	0.38
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	14	0.38
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	16	0.38
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	8	0.38
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB2	24	0.38
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	18	0.38
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	1	0.38
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	5	0.38
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	11	0.38
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	17	0.38
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG21	12	0.38
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	14	0.38
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	24	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	17	0.38
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	7	0.38
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	11	0.38
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	14	0.38
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	6	0.38
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	23	0.38
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	2	0.38
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	13	0.38
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	6	0.38
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	20	0.38
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	1	0.38
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	20	0.38
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	13	0.38
(2,149)	1:5:A:ARG:H	1:5:A:ARG:HB3	1	0.38
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	23	0.38
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	3	0.38
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	6	0.38
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	14	0.38
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	17	0.38
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	19	0.38
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	23	0.38
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	24	0.38
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	13	0.38
(2,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	1	0.38
(2,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	21	0.38
(2,96)	1:30:A:ILE:H	1:30:A:ILE:HA	2	0.38
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	19	0.38
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	21	0.38
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	2	0.38
(2,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD2	19	0.38
(2,75)	1:30:A:ILE:HG21	1:10:A:TYR:HD2	2	0.38
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	6	0.38
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	19	0.38
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	23	0.38
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	1	0.38
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	9	0.38
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	14	0.38
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	19	0.38
(2,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	5	0.38
(2,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	19	0.38
(2,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	21	0.38
(2,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	23	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	14	0.38
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	7	0.38
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	18	0.38
(1,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	7	0.38
(1,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	10	0.38
(1,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	11	0.38
(1,628)	1:9:A:THR:HG22	1:28:A:LYS:HD2	12	0.38
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	2	0.38
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	20	0.38
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD3	19	0.38
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	2	0.38
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	7	0.38
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	9	0.38
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	22	0.38
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	2	0.38
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	4	0.38
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	10	0.38
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	21	0.38
(1,535)	1:21:A:ALA:H	1:30:A:ILE:H	8	0.38
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	24	0.38
(1,524)	1:18:A:LYS:HG2	1:18:A:LYS:HD3	1	0.38
(1,524)	1:18:A:LYS:HG2	1:18:A:LYS:HD3	19	0.38
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	21	0.38
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	6	0.38
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	9	0.38
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	14	0.38
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	8	0.38
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	18	0.38
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	13	0.38
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	5	0.38
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	13	0.38
(1,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG12	13	0.38
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	1	0.38
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	8	0.38
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG21	2	0.38
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	9	0.38
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	22	0.38
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	19	0.38
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	24	0.38
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	1	0.38
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	23	0.38
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	15	0.38
(1,424)	1:22:A:SER:H	1:30:A:ILE:HG12	7	0.38
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	5	0.38
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD13	24	0.38
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	5	0.38
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	7	0.38
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	18	0.38
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	19	0.38
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	6	0.38
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG21	19	0.38
(1,385)	1:29:A:VAL:H	1:9:A:THR:HB	6	0.38
(1,369)	1:9:A:THR:HG22	1:28:A:LYS:HG2	15	0.38
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	8	0.38
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	13	0.38
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	20	0.38
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	21	0.38
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	11	0.38
(1,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	10	0.38
(1,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	12	0.38
(1,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE2	13	0.38
(1,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE3	18	0.38
(1,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	21	0.38
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	23	0.38
(1,327)	1:34:A:HIS:H	1:32:A:ARG:HA	21	0.38
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	20	0.38
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	10	0.38
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	21	0.38
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	17	0.38
(1,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD13	13	0.38
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG22	1	0.38
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	3	0.38
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	7	0.38
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	14	0.38
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	16	0.38
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	8	0.38
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB2	24	0.38
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG3	18	0.38
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	1	0.38
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	5	0.38
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	11	0.38
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	17	0.38
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG21	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG23	14	0.38
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	24	0.38
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	17	0.38
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	7	0.38
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	11	0.38
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	14	0.38
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	6	0.38
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	23	0.38
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	2	0.38
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	13	0.38
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	6	0.38
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	20	0.38
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	1	0.38
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	20	0.38
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	13	0.38
(1,149)	1:5:A:ARG:H	1:5:A:ARG:HB3	1	0.38
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	23	0.38
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	3	0.38
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	6	0.38
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	14	0.38
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	17	0.38
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	19	0.38
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	23	0.38
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	24	0.38
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	13	0.38
(1,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	1	0.38
(1,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	21	0.38
(1,96)	1:30:A:ILE:H	1:30:A:ILE:HA	2	0.38
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	19	0.38
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	21	0.38
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	2	0.38
(1,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD2	19	0.38
(1,75)	1:30:A:ILE:HG21	1:10:A:TYR:HD2	2	0.38
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	6	0.38
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	19	0.38
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	23	0.38
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	1	0.38
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	9	0.38
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	14	0.38
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	19	0.38
(1,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	5	0.38
(1,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	21	0.38
(1,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	23	0.38
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	14	0.38
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	7	0.38
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	18	0.38
(3,90)	1:36:A:ILE:HD11	1:43:A:PHE:HB2	2	0.37
(3,90)	1:36:A:ILE:HD11	1:43:A:PHE:HB2	18	0.37
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB3	21	0.37
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	18	0.37
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	20	0.37
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD2	20	0.37
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	23	0.37
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	11	0.37
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB2	17	0.37
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	15	0.37
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	3	0.37
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	5	0.37
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	8	0.37
(2,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	14	0.37
(2,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	14	0.37
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG2	1	0.37
(2,628)	1:9:A:THR:HG22	1:28:A:LYS:HD2	24	0.37
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD3	8	0.37
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	18	0.37
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	8	0.37
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	15	0.37
(2,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	6	0.37
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG3	12	0.37
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	6	0.37
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	7	0.37
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	1	0.37
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB3	11	0.37
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	17	0.37
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	4	0.37
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	6	0.37
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	2	0.37
(2,526)	1:3:A:LYS:HG3	1:3:A:LYS:HD2	8	0.37
(2,526)	1:3:A:LYS:HG3	1:3:A:LYS:HD2	9	0.37
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	12	0.37
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	13	0.37
(2,526)	1:3:A:LYS:HG3	1:3:A:LYS:HD2	15	0.37
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	24	0.37
(2,524)	1:18:A:LYS:HG2	1:18:A:LYS:HD3	8	0.37
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	12	0.37
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	20	0.37
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	4	0.37
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	22	0.37
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB2	5	0.37
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB2	19	0.37
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	3	0.37
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	10	0.37
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	24	0.37
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	23	0.37
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	5	0.37
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	8	0.37
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	20	0.37
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD22	22	0.37
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	13	0.37
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	4	0.37
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD2	10	0.37
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD2	3	0.37
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD2	14	0.37
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	19	0.37
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	23	0.37
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	5	0.37
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB2	8	0.37
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	22	0.37
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	8	0.37
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	22	0.37
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE1	13	0.37
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG22	2	0.37
(2,403)	1:9:A:THR:HG21	1:28:A:LYS:HE2	21	0.37
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	8	0.37
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	10	0.37
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	15	0.37
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	21	0.37
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	4	0.37
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	20	0.37
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	24	0.37
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	14	0.37
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	6	0.37
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	2	0.37
(2,369)	1:9:A:THR:HG21	1:28:A:LYS:HG3	24	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG21	5	0.37
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG23	6	0.37
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	8	0.37
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB1	4	0.37
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	15	0.37
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	23	0.37
(2,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	4	0.37
(2,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	20	0.37
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	9	0.37
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	10	0.37
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	1	0.37
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	5	0.37
(2,316)	1:15:A:ILE:HG23	1:17:A:ARG:HG3	2	0.37
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	2	0.37
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	9	0.37
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	21	0.37
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG22	21	0.37
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	7	0.37
(2,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	5	0.37
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	8	0.37
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	12	0.37
(2,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	18	0.37
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG22	5	0.37
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	12	0.37
(2,272)	1:15:A:ILE:H	1:16:A:ARG:H	22	0.37
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	16	0.37
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	4	0.37
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	6	0.37
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	12	0.37
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	2	0.37
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	16	0.37
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	14	0.37
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	15	0.37
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	21	0.37
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	23	0.37
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	5	0.37
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	18	0.37
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG21	11	0.37
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	6	0.37
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG21	24	0.37
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	1	0.37
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	22	0.37
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	14	0.37
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	5	0.37
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	19	0.37
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	1	0.37
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	7	0.37
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	15	0.37
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	6	0.37
(2,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	1	0.37
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	17	0.37
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	9	0.37
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	5	0.37
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	2	0.37
(2,176)	1:30:A:ILE:H	1:29:A:VAL:HA	4	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	2	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	4	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	6	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	8	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG13	9	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	10	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	11	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	12	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	14	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	17	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	18	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	21	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	22	0.37
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG23	24	0.37
(2,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG21	2	0.37
(2,157)	1:5:A:ARG:H	1:4:A:LYS:HA	5	0.37
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	1	0.37
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	4	0.37
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	7	0.37
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	8	0.37
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	9	0.37
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	12	0.37
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	13	0.37
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	15	0.37
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	18	0.37
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	20	0.37
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	21	0.37
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	22	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB2	3	0.37
(2,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	3	0.37
(2,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	12	0.37
(2,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	18	0.37
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	10	0.37
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	6	0.37
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	11	0.37
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB3	7	0.37
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	23	0.37
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	19	0.37
(2,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE1	8	0.37
(2,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD1	4	0.37
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	11	0.37
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	17	0.37
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	3	0.37
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	21	0.37
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	24	0.37
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	9	0.37
(2,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	23	0.37
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	15	0.37
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	5	0.37
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	23	0.37
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	21	0.37
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB3	22	0.37
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	7	0.37
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	4	0.37
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	10	0.37
(2,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	8	0.37
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	19	0.37
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	8	0.37
(1,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	14	0.37
(1,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	14	0.37
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG2	1	0.37
(1,628)	1:9:A:THR:HG22	1:28:A:LYS:HD2	24	0.37
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD3	8	0.37
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	18	0.37
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	8	0.37
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	15	0.37
(1,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	6	0.37
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG3	12	0.37
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	6	0.37
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	1	0.37
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB3	11	0.37
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	17	0.37
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	4	0.37
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	6	0.37
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	2	0.37
(1,526)	1:3:A:LYS:HG3	1:3:A:LYS:HD2	8	0.37
(1,526)	1:3:A:LYS:HG3	1:3:A:LYS:HD2	9	0.37
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	12	0.37
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	13	0.37
(1,526)	1:3:A:LYS:HG3	1:3:A:LYS:HD2	15	0.37
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	16	0.37
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	24	0.37
(1,524)	1:18:A:LYS:HG2	1:18:A:LYS:HD3	8	0.37
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	12	0.37
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	20	0.37
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	4	0.37
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	22	0.37
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB2	5	0.37
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB2	19	0.37
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	3	0.37
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	10	0.37
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	24	0.37
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	23	0.37
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	5	0.37
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	8	0.37
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	20	0.37
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD22	22	0.37
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	13	0.37
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	4	0.37
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD2	10	0.37
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD2	3	0.37
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD2	14	0.37
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	19	0.37
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	23	0.37
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	5	0.37
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB2	8	0.37
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	22	0.37
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	8	0.37
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	22	0.37
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE1	13	0.37
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG22	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:9:A:THR:HG21	1:28:A:LYS:HE2	21	0.37
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	8	0.37
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	10	0.37
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	15	0.37
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	21	0.37
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	4	0.37
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	20	0.37
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	24	0.37
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	14	0.37
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	6	0.37
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	2	0.37
(1,369)	1:9:A:THR:HG21	1:28:A:LYS:HG3	24	0.37
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG21	5	0.37
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG23	6	0.37
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	8	0.37
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB1	4	0.37
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	15	0.37
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	23	0.37
(1,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	4	0.37
(1,336)	1:27:A:LYS:HD3	1:27:A:LYS:HE2	20	0.37
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	9	0.37
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	10	0.37
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	1	0.37
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	5	0.37
(1,316)	1:15:A:ILE:HG23	1:17:A:ARG:HG3	2	0.37
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	2	0.37
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	9	0.37
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	21	0.37
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG22	21	0.37
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	7	0.37
(1,282)	1:15:A:ILE:HD11	1:12:A:PRO:HB2	5	0.37
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	8	0.37
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	12	0.37
(1,274)	1:31:A:CYS:H	1:31:A:CYS:HB2	18	0.37
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG22	5	0.37
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	12	0.37
(1,272)	1:15:A:ILE:H	1:16:A:ARG:H	22	0.37
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	16	0.37
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	4	0.37
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	6	0.37
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	12	0.37
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	16	0.37
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	14	0.37
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	15	0.37
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	21	0.37
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	23	0.37
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	5	0.37
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	18	0.37
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG21	11	0.37
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	6	0.37
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG21	24	0.37
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	1	0.37
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	17	0.37
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	22	0.37
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	14	0.37
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	5	0.37
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	19	0.37
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	1	0.37
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	7	0.37
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	15	0.37
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	6	0.37
(1,194)	1:16:A:ARG:H	1:16:A:ARG:HB2	1	0.37
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	17	0.37
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	9	0.37
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	5	0.37
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	2	0.37
(1,176)	1:30:A:ILE:H	1:29:A:VAL:HA	4	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	2	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	4	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	6	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	8	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG13	9	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	10	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	11	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	12	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	14	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	17	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	18	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	21	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	22	0.37
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG23	24	0.37
(1,172)	1:19:A:ALA:HB2	1:29:A:VAL:HG21	2	0.37
(1,157)	1:5:A:ARG:H	1:4:A:LYS:HA	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	1	0.37
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	4	0.37
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	7	0.37
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	8	0.37
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	9	0.37
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	12	0.37
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	13	0.37
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	15	0.37
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	18	0.37
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	20	0.37
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	21	0.37
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	22	0.37
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB2	3	0.37
(1,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	3	0.37
(1,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	12	0.37
(1,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	18	0.37
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	10	0.37
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	6	0.37
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	11	0.37
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB3	7	0.37
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	23	0.37
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	19	0.37
(1,80)	1:28:A:LYS:HB3	1:10:A:TYR:HE1	8	0.37
(1,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD1	4	0.37
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	11	0.37
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	17	0.37
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	3	0.37
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	21	0.37
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	24	0.37
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	9	0.37
(1,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	23	0.37
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	15	0.37
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	5	0.37
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	23	0.37
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	21	0.37
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB3	22	0.37
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	7	0.37
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	4	0.37
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	10	0.37
(1,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	8	0.37
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	19	0.37
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB2	12	0.36
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB2	14	0.36
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB2	16	0.36
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB2	3	0.36
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB3	11	0.36
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB2	23	0.36
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD12	7	0.36
(3,47)	1:39:A:CYS:HA	1:36:A:ILE:HG12	18	0.36
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG21	1	0.36
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB2	12	0.36
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	15	0.36
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	1	0.36
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	19	0.36
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB2	10	0.36
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	18	0.36
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	8	0.36
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG12	20	0.36
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB2	4	0.36
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB2	7	0.36
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	4	0.36
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	10	0.36
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	23	0.36
(3,5)	1:25:A:LYS:HA	1:25:A:LYS:HG2	13	0.36
(2,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG2	8	0.36
(2,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	9	0.36
(2,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD2	7	0.36
(2,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	9	0.36
(2,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD3	20	0.36
(2,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD2	8	0.36
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	21	0.36
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	23	0.36
(2,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD21	13	0.36
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	1	0.36
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	3	0.36
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	16	0.36
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	2	0.36
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	20	0.36
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG21	12	0.36
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	22	0.36
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	3	0.36
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	12	0.36
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	22	0.36
(2,526)	1:3:A:LYS:HG3	1:3:A:LYS:HD2	3	0.36
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	7	0.36
(2,526)	1:3:A:LYS:HG3	1:3:A:LYS:HD2	14	0.36
(2,526)	1:3:A:LYS:HG3	1:3:A:LYS:HD2	18	0.36
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	3	0.36
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	9	0.36
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	16	0.36
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	20	0.36
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	1	0.36
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	19	0.36
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	14	0.36
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	2	0.36
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	24	0.36
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	12	0.36
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	23	0.36
(2,475)	1:21:A:ALA:HB3	1:30:A:ILE:HG13	5	0.36
(2,475)	1:21:A:ALA:HB3	1:30:A:ILE:HG13	21	0.36
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	1	0.36
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	12	0.36
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	20	0.36
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG21	11	0.36
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	5	0.36
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	21	0.36
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	22	0.36
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	4	0.36
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	11	0.36
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	5	0.36
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD2	20	0.36
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	14	0.36
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	19	0.36
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	12	0.36
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	16	0.36
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	18	0.36
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB3	12	0.36
(2,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	1	0.36
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	9	0.36
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	22	0.36
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	9	0.36
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	11	0.36
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	17	0.36
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG23	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	15	0.36
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	22	0.36
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	18	0.36
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	13	0.36
(2,369)	1:9:A:THR:HG22	1:28:A:LYS:HG2	22	0.36
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB3	10	0.36
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB3	20	0.36
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	16	0.36
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	6	0.36
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	17	0.36
(2,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	1	0.36
(2,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	14	0.36
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	24	0.36
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	1	0.36
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	3	0.36
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	14	0.36
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	6	0.36
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	3	0.36
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	15	0.36
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	24	0.36
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	7	0.36
(2,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD12	10	0.36
(2,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	10	0.36
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	19	0.36
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG21	16	0.36
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	4	0.36
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	14	0.36
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	14	0.36
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	22	0.36
(2,262)	1:17:A:ARG:HA	1:17:A:ARG:HG2	18	0.36
(2,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB2	24	0.36
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	22	0.36
(2,257)	1:4:A:LYS:H	1:3:A:LYS:HA	23	0.36
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	7	0.36
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	16	0.36
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	24	0.36
(2,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	23	0.36
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	4	0.36
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB3	6	0.36
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	15	0.36
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD11	15	0.36
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	3	0.36
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	10	0.36
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	12	0.36
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	18	0.36
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	10	0.36
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	9	0.36
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	11	0.36
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	19	0.36
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	5	0.36
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB2	23	0.36
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	24	0.36
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	24	0.36
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	14	0.36
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	8	0.36
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	20	0.36
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	22	0.36
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG21	3	0.36
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG22	5	0.36
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	7	0.36
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	13	0.36
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	19	0.36
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	23	0.36
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	3	0.36
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	20	0.36
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG2	12	0.36
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	20	0.36
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	1	0.36
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	18	0.36
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	10	0.36
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	5	0.36
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	12	0.36
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	18	0.36
(2,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	8	0.36
(2,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	14	0.36
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	5	0.36
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	17	0.36
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	21	0.36
(2,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	6	0.36
(2,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	16	0.36
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	9	0.36
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	11	0.36
(2,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE1	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD1	3	0.36
(2,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD1	7	0.36
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	18	0.36
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	22	0.36
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	4	0.36
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	18	0.36
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	6	0.36
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB2	16	0.36
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	14	0.36
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	12	0.36
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	16	0.36
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	4	0.36
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	12	0.36
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	16	0.36
(1,646)	1:14:A:LYS:HB3	1:14:A:LYS:HG2	8	0.36
(1,646)	1:14:A:LYS:HB2	1:14:A:LYS:HG3	9	0.36
(1,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD2	7	0.36
(1,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	9	0.36
(1,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD3	20	0.36
(1,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD2	8	0.36
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	21	0.36
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	23	0.36
(1,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD21	13	0.36
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	1	0.36
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	3	0.36
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	16	0.36
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	2	0.36
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	20	0.36
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG21	12	0.36
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	22	0.36
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	3	0.36
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	12	0.36
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	4	0.36
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	22	0.36
(1,526)	1:3:A:LYS:HG3	1:3:A:LYS:HD2	3	0.36
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	7	0.36
(1,526)	1:3:A:LYS:HG3	1:3:A:LYS:HD2	14	0.36
(1,526)	1:3:A:LYS:HG3	1:3:A:LYS:HD2	18	0.36
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	3	0.36
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	9	0.36
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	16	0.36
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	20	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	1	0.36
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	19	0.36
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	14	0.36
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	2	0.36
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	24	0.36
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	12	0.36
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	23	0.36
(1,475)	1:21:A:ALA:HB3	1:30:A:ILE:HG13	5	0.36
(1,475)	1:21:A:ALA:HB3	1:30:A:ILE:HG13	21	0.36
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	1	0.36
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	12	0.36
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	20	0.36
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG21	11	0.36
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	5	0.36
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	21	0.36
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	22	0.36
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	4	0.36
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	11	0.36
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	5	0.36
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD2	20	0.36
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	14	0.36
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	19	0.36
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	12	0.36
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	16	0.36
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	18	0.36
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB3	12	0.36
(1,420)	1:4:A:LYS:H	1:3:A:LYS:HG2	1	0.36
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	9	0.36
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	22	0.36
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	9	0.36
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	11	0.36
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	17	0.36
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG23	2	0.36
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	15	0.36
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	22	0.36
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	18	0.36
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	13	0.36
(1,369)	1:9:A:THR:HG22	1:28:A:LYS:HG2	22	0.36
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB3	10	0.36
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB3	20	0.36
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	16	0.36
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	17	0.36
(1,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	1	0.36
(1,336)	1:27:A:LYS:HD2	1:27:A:LYS:HE3	14	0.36
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	24	0.36
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	1	0.36
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	3	0.36
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	14	0.36
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	6	0.36
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	3	0.36
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	15	0.36
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	24	0.36
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG21	7	0.36
(1,295)	1:21:A:ALA:HB1	1:30:A:ILE:HD12	10	0.36
(1,282)	1:15:A:ILE:HD12	1:12:A:PRO:HB2	10	0.36
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	19	0.36
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG21	16	0.36
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	4	0.36
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	14	0.36
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	14	0.36
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	22	0.36
(1,262)	1:17:A:ARG:HA	1:17:A:ARG:HG2	18	0.36
(1,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB2	24	0.36
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	22	0.36
(1,257)	1:4:A:LYS:H	1:3:A:LYS:HA	23	0.36
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	7	0.36
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	16	0.36
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	24	0.36
(1,245)	1:29:A:VAL:HA	1:19:A:ALA:HB1	23	0.36
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	4	0.36
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB3	6	0.36
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	15	0.36
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD11	15	0.36
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	3	0.36
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	3	0.36
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	10	0.36
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	12	0.36
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	18	0.36
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	10	0.36
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	9	0.36
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	11	0.36
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	19	0.36
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB2	23	0.36
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	24	0.36
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	24	0.36
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	14	0.36
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	8	0.36
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	20	0.36
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	22	0.36
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG21	3	0.36
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG22	5	0.36
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	7	0.36
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG11	13	0.36
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	19	0.36
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	23	0.36
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	3	0.36
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	20	0.36
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG2	12	0.36
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	20	0.36
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	1	0.36
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	18	0.36
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	10	0.36
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	5	0.36
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	12	0.36
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	18	0.36
(1,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	8	0.36
(1,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	14	0.36
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	5	0.36
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	17	0.36
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	21	0.36
(1,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	6	0.36
(1,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	16	0.36
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	9	0.36
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	11	0.36
(1,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE1	9	0.36
(1,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD1	3	0.36
(1,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD1	7	0.36
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	18	0.36
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	22	0.36
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	4	0.36
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	18	0.36
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	6	0.36
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB2	16	0.36
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	12	0.36
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	16	0.36
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	4	0.36
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	12	0.36
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	16	0.36
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB2	6	0.35
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB2	24	0.35
(3,70)	1:36:A:ILE:HD12	1:43:A:PHE:HD1	10	0.35
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	7	0.35
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB3	8	0.35
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB3	15	0.35
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	19	0.35
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	12	0.35
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	17	0.35
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG22	20	0.35
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	22	0.35
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG21	17	0.35
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	3	0.35
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD13	24	0.35
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	6	0.35
(2,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	2	0.35
(2,632)	1:29:A:VAL:HG21	1:5:A:ARG:HG2	11	0.35
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	2	0.35
(2,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD3	19	0.35
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	21	0.35
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	16	0.35
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	11	0.35
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	4	0.35
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG2	13	0.35
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	16	0.35
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	6	0.35
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	14	0.35
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	1	0.35
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	4	0.35
(2,591)	1:18:A:LYS:HG2	1:7:A:TYR:HE1	8	0.35
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	22	0.35
(2,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	14	0.35
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	20	0.35
(2,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD11	13	0.35
(2,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD12	15	0.35
(2,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	4	0.35
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	23	0.35
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	13	0.35
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	17	0.35
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	17	0.35
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	3	0.35
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	13	0.35
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG22	20	0.35
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	2	0.35
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	7	0.35
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD3	9	0.35
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	14	0.35
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	16	0.35
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	7	0.35
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	1	0.35
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	10	0.35
(2,450)	1:9:A:THR:H	1:30:A:ILE:HA	5	0.35
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	20	0.35
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	21	0.35
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	2	0.35
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	5	0.35
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	17	0.35
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	12	0.35
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB2	19	0.35
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	24	0.35
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	2	0.35
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG22	18	0.35
(2,404)	1:9:A:THR:HG23	1:28:A:LYS:HB3	13	0.35
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	11	0.35
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	18	0.35
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	21	0.35
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	16	0.35
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	4	0.35
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	5	0.35
(2,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE2	21	0.35
(2,369)	1:9:A:THR:HG23	1:28:A:LYS:HG3	2	0.35
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	16	0.35
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	11	0.35
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	3	0.35
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	4	0.35
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	19	0.35
(2,319)	1:22:A:SER:H	1:22:A:SER:HB2	22	0.35
(2,319)	1:22:A:SER:H	1:22:A:SER:HB2	24	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	7	0.35
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	17	0.35
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	20	0.35
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	2	0.35
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	12	0.35
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	22	0.35
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	24	0.35
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	5	0.35
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	12	0.35
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	6	0.35
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	3	0.35
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	12	0.35
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	14	0.35
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	5	0.35
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	23	0.35
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	3	0.35
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	17	0.35
(2,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	18	0.35
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD12	24	0.35
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	15	0.35
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	18	0.35
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	22	0.35
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	1	0.35
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	15	0.35
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	17	0.35
(2,211)	1:26:A:CYS:H	1:27:A:LYS:H	18	0.35
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	2	0.35
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	21	0.35
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	17	0.35
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	3	0.35
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	3	0.35
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	21	0.35
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG2	6	0.35
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG2	5	0.35
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	14	0.35
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	18	0.35
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	6	0.35
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	19	0.35
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	23	0.35
(2,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	19	0.35
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	15	0.35
(2,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	5	0.35
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG21	10	0.35
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG21	12	0.35
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	8	0.35
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	4	0.35
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB3	19	0.35
(2,81)	1:16:A:ARG:HA	1:7:A:TYR:HD1	10	0.35
(2,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	2	0.35
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	5	0.35
(2,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	15	0.35
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	2	0.35
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	8	0.35
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	13	0.35
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	10	0.35
(2,36)	1:6:A:THR:H	1:6:A:THR:HB	12	0.35
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	13	0.35
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB1	8	0.35
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB2	10	0.35
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	5	0.35
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	23	0.35
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	9	0.35
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	6	0.35
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	15	0.35
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	20	0.35
(1,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	2	0.35
(1,632)	1:29:A:VAL:HG21	1:5:A:ARG:HG2	11	0.35
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	2	0.35
(1,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD3	19	0.35
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	21	0.35
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	16	0.35
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	11	0.35
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	4	0.35
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG2	13	0.35
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	16	0.35
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	6	0.35
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	14	0.35
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	1	0.35
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	4	0.35
(1,591)	1:18:A:LYS:HG2	1:7:A:TYR:HE1	8	0.35
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	22	0.35
(1,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	14	0.35
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD11	13	0.35
(1,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD12	15	0.35
(1,527)	1:27:A:LYS:HG2	1:27:A:LYS:HD3	4	0.35
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	20	0.35
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	23	0.35
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	13	0.35
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG3	17	0.35
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	17	0.35
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	3	0.35
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	13	0.35
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG22	20	0.35
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	2	0.35
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	7	0.35
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD3	9	0.35
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	14	0.35
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	16	0.35
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	7	0.35
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	1	0.35
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	10	0.35
(1,450)	1:9:A:THR:H	1:30:A:ILE:HA	5	0.35
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	20	0.35
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	21	0.35
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	2	0.35
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	5	0.35
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	17	0.35
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	12	0.35
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB2	19	0.35
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	24	0.35
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	2	0.35
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG22	18	0.35
(1,404)	1:9:A:THR:HG23	1:28:A:LYS:HB3	13	0.35
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	11	0.35
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	18	0.35
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	21	0.35
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	16	0.35
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	4	0.35
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	5	0.35
(1,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE2	21	0.35
(1,369)	1:9:A:THR:HG23	1:28:A:LYS:HG3	2	0.35
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	16	0.35
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	11	0.35
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	3	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	4	0.35
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	19	0.35
(1,319)	1:22:A:SER:H	1:22:A:SER:HB2	22	0.35
(1,319)	1:22:A:SER:H	1:22:A:SER:HB2	24	0.35
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	7	0.35
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	17	0.35
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	20	0.35
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	2	0.35
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	12	0.35
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	22	0.35
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	24	0.35
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	5	0.35
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	12	0.35
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	6	0.35
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	3	0.35
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	12	0.35
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	14	0.35
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	5	0.35
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	23	0.35
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	3	0.35
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	17	0.35
(1,232)	1:39:A:CYS:HA	1:10:A:TYR:HE2	18	0.35
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD12	24	0.35
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	15	0.35
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	18	0.35
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	22	0.35
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	1	0.35
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	15	0.35
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	17	0.35
(1,211)	1:26:A:CYS:H	1:27:A:LYS:H	18	0.35
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	2	0.35
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	21	0.35
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	17	0.35
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	3	0.35
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	3	0.35
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	21	0.35
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG2	6	0.35
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG2	5	0.35
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	14	0.35
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	18	0.35
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	6	0.35
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	23	0.35
(1,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	19	0.35
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	15	0.35
(1,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	2	0.35
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	5	0.35
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG21	10	0.35
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG21	12	0.35
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	8	0.35
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	4	0.35
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB3	19	0.35
(1,81)	1:16:A:ARG:HA	1:7:A:TYR:HD1	10	0.35
(1,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	2	0.35
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	5	0.35
(1,72)	1:22:A:SER:HA	1:30:A:ILE:HD11	15	0.35
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	2	0.35
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	8	0.35
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	13	0.35
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	10	0.35
(1,36)	1:6:A:THR:H	1:6:A:THR:HB	12	0.35
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	13	0.35
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB1	8	0.35
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB2	10	0.35
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	5	0.35
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	23	0.35
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	9	0.35
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	6	0.35
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	15	0.35
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	20	0.35
(3,83)	1:40:A:GLN:H	1:36:A:ILE:HD13	6	0.34
(3,75)	1:25:A:LYS:HG2	1:25:A:LYS:HE2	8	0.34
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB3	5	0.34
(3,67)	1:25:A:LYS:HB3	1:43:A:PHE:HE2	23	0.34
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB3	3	0.34
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	2	0.34
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB3	4	0.34
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	4	0.34
(3,49)	1:25:A:LYS:HD2	1:43:A:PHE:HD2	11	0.34
(3,49)	1:25:A:LYS:HD3	1:43:A:PHE:HD2	15	0.34
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG2	18	0.34
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	23	0.34
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	15	0.34
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB2	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	1	0.34
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	17	0.34
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB2	11	0.34
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	24	0.34
(2,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	13	0.34
(2,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	23	0.34
(2,635)	1:24:A:LYS:HG2	1:24:A:LYS:HE3	11	0.34
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG21	5	0.34
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE3	4	0.34
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	3	0.34
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	13	0.34
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	17	0.34
(2,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD21	2	0.34
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	2	0.34
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	9	0.34
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE2	4	0.34
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB3	23	0.34
(2,546)	1:30:A:ILE:HG23	1:10:A:TYR:HB2	12	0.34
(2,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	22	0.34
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	10	0.34
(2,533)	1:26:A:CYS:H	1:28:A:LYS:H	23	0.34
(2,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD12	3	0.34
(2,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD12	17	0.34
(2,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD12	19	0.34
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	10	0.34
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	11	0.34
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	17	0.34
(2,526)	1:3:A:LYS:HG3	1:3:A:LYS:HD2	19	0.34
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	21	0.34
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	22	0.34
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	7	0.34
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	23	0.34
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	17	0.34
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	19	0.34
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	8	0.34
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	22	0.34
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD1	24	0.34
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	8	0.34
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	11	0.34
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	15	0.34
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	18	0.34
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	1	0.34
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	7	0.34
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	18	0.34
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	20	0.34
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	1	0.34
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	14	0.34
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	19	0.34
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD12	11	0.34
(2,385)	1:29:A:VAL:H	1:9:A:THR:HB	1	0.34
(2,385)	1:29:A:VAL:H	1:9:A:THR:HB	16	0.34
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	7	0.34
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	12	0.34
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	17	0.34
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	3	0.34
(2,375)	1:19:A:ALA:H	1:8:A:CYS:H	21	0.34
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB3	8	0.34
(2,361)	1:29:A:VAL:HG12	1:22:A:SER:HB3	6	0.34
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	14	0.34
(2,356)	1:19:A:ALA:HB1	1:8:A:CYS:HB2	6	0.34
(2,356)	1:19:A:ALA:HB2	1:8:A:CYS:HB2	15	0.34
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	2	0.34
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	22	0.34
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	17	0.34
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB3	11	0.34
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	1	0.34
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	17	0.34
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	18	0.34
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	1	0.34
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	15	0.34
(2,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	23	0.34
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG22	10	0.34
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG22	12	0.34
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	14	0.34
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	1	0.34
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	13	0.34
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG23	15	0.34
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG22	17	0.34
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	5	0.34
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	9	0.34
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	3	0.34
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	6	0.34
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	4	0.34
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	21	0.34
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB3	4	0.34
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB3	19	0.34
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	2	0.34
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	4	0.34
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	13	0.34
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	17	0.34
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	8	0.34
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	4	0.34
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	7	0.34
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	10	0.34
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	12	0.34
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	14	0.34
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	18	0.34
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	4	0.34
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	20	0.34
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	5	0.34
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	15	0.34
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	21	0.34
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	23	0.34
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	16	0.34
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	8	0.34
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	2	0.34
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	11	0.34
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	12	0.34
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	18	0.34
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	22	0.34
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	24	0.34
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	4	0.34
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	11	0.34
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	11	0.34
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	14	0.34
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	15	0.34
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	7	0.34
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	12	0.34
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB2	16	0.34
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	21	0.34
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	23	0.34
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	5	0.34
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	9	0.34
(2,146)	1:24:A:LYS:H	1:23:A:CYS:HA	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	15	0.34
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	6	0.34
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	11	0.34
(2,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	10	0.34
(2,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	15	0.34
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	6	0.34
(2,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	6	0.34
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	3	0.34
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	7	0.34
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	10	0.34
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	11	0.34
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	13	0.34
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	17	0.34
(2,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	18	0.34
(2,69)	1:30:A:ILE:HD12	1:23:A:CYS:HB2	22	0.34
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	7	0.34
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	9	0.34
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	24	0.34
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB3	16	0.34
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	8	0.34
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	19	0.34
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	4	0.34
(1,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	13	0.34
(1,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	23	0.34
(1,635)	1:24:A:LYS:HG2	1:24:A:LYS:HE3	11	0.34
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG21	5	0.34
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE3	4	0.34
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	3	0.34
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	13	0.34
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	17	0.34
(1,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD21	2	0.34
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	2	0.34
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	9	0.34
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE2	4	0.34
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB3	23	0.34
(1,546)	1:30:A:ILE:HG23	1:10:A:TYR:HB2	12	0.34
(1,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	22	0.34
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	10	0.34
(1,533)	1:26:A:CYS:H	1:28:A:LYS:H	23	0.34
(1,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD12	3	0.34
(1,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD12	17	0.34
(1,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD12	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	10	0.34
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	11	0.34
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	17	0.34
(1,526)	1:3:A:LYS:HG3	1:3:A:LYS:HD2	19	0.34
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	21	0.34
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	22	0.34
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	7	0.34
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	23	0.34
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	17	0.34
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	19	0.34
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	8	0.34
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	22	0.34
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD1	24	0.34
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	8	0.34
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	11	0.34
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	15	0.34
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	18	0.34
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	10	0.34
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	1	0.34
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	7	0.34
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	18	0.34
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	20	0.34
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	1	0.34
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	14	0.34
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	19	0.34
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD12	11	0.34
(1,385)	1:29:A:VAL:H	1:9:A:THR:HB	1	0.34
(1,385)	1:29:A:VAL:H	1:9:A:THR:HB	16	0.34
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	7	0.34
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	12	0.34
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	17	0.34
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	3	0.34
(1,375)	1:19:A:ALA:H	1:8:A:CYS:H	21	0.34
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB3	8	0.34
(1,361)	1:29:A:VAL:HG12	1:22:A:SER:HB3	6	0.34
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	14	0.34
(1,356)	1:19:A:ALA:HB1	1:8:A:CYS:HB2	6	0.34
(1,356)	1:19:A:ALA:HB2	1:8:A:CYS:HB2	15	0.34
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	2	0.34
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	22	0.34
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	17	0.34
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB3	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	1	0.34
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	17	0.34
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	18	0.34
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	1	0.34
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	15	0.34
(1,297)	1:23:A:CYS:H	1:30:A:ILE:HG23	23	0.34
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG22	10	0.34
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG22	12	0.34
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	14	0.34
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	1	0.34
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	13	0.34
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG23	15	0.34
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG22	17	0.34
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	5	0.34
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	9	0.34
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	3	0.34
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	6	0.34
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	19	0.34
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	4	0.34
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	21	0.34
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB3	4	0.34
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB3	19	0.34
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	2	0.34
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	4	0.34
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	13	0.34
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	17	0.34
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	8	0.34
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	4	0.34
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	7	0.34
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	10	0.34
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	12	0.34
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	14	0.34
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	18	0.34
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	4	0.34
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	20	0.34
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	5	0.34
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	15	0.34
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	21	0.34
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	23	0.34
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	16	0.34
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	8	0.34
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	11	0.34
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	12	0.34
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	18	0.34
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	22	0.34
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	24	0.34
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	4	0.34
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	11	0.34
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	11	0.34
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	14	0.34
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG12	15	0.34
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	7	0.34
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	12	0.34
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB2	16	0.34
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	21	0.34
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	23	0.34
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	5	0.34
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	9	0.34
(1,146)	1:24:A:LYS:H	1:23:A:CYS:HA	12	0.34
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	15	0.34
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	6	0.34
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	11	0.34
(1,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	10	0.34
(1,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	15	0.34
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	6	0.34
(1,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	6	0.34
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	3	0.34
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	7	0.34
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	10	0.34
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	11	0.34
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	13	0.34
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	17	0.34
(1,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	18	0.34
(1,69)	1:30:A:ILE:HD12	1:23:A:CYS:HB2	22	0.34
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	7	0.34
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	9	0.34
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	24	0.34
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB3	16	0.34
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	8	0.34
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	19	0.34
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	4	0.34
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB3	1	0.33
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB3	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB2	18	0.33
(3,71)	1:36:A:ILE:HG23	1:43:A:PHE:HD1	6	0.33
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	2	0.33
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD2	17	0.33
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB2	5	0.33
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB2	6	0.33
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB2	16	0.33
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB2	19	0.33
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	16	0.33
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB2	1	0.33
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	1	0.33
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB2	15	0.33
(2,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD1	16	0.33
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG21	1	0.33
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	10	0.33
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	17	0.33
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	22	0.33
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	5	0.33
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD3	12	0.33
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	22	0.33
(2,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD21	8	0.33
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	21	0.33
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG2	19	0.33
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	19	0.33
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	15	0.33
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	22	0.33
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	5	0.33
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	23	0.33
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	8	0.33
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB2	2	0.33
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	12	0.33
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	20	0.33
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	1	0.33
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	23	0.33
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	6	0.33
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	22	0.33
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	4	0.33
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	1	0.33
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	17	0.33
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	15	0.33
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	17	0.33
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	14	0.33
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG21	15	0.33
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	16	0.33
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	6	0.33
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	17	0.33
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	20	0.33
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	4	0.33
(2,450)	1:9:A:THR:H	1:30:A:ILE:HA	9	0.33
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	10	0.33
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	18	0.33
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD2	12	0.33
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	9	0.33
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	24	0.33
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	10	0.33
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	21	0.33
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	16	0.33
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	12	0.33
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	22	0.33
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB1	6	0.33
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	17	0.33
(2,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	5	0.33
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	6	0.33
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	15	0.33
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	20	0.33
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	15	0.33
(2,369)	1:9:A:THR:HG23	1:28:A:LYS:HG2	18	0.33
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG22	7	0.33
(2,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	3	0.33
(2,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	22	0.33
(2,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	7	0.33
(2,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	13	0.33
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	8	0.33
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	16	0.33
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	8	0.33
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	11	0.33
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	22	0.33
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	18	0.33
(2,315)	1:15:A:ILE:HG23	1:11:A:CYS:HB3	17	0.33
(2,313)	1:41:A:SER:HB2	1:10:A:TYR:HE1	7	0.33
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	11	0.33
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	1	0.33
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	22	0.33
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	5	0.33
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	12	0.33
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	16	0.33
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	20	0.33
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	4	0.33
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	23	0.33
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	10	0.33
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	13	0.33
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD12	7	0.33
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	23	0.33
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	3	0.33
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	21	0.33
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	19	0.33
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD12	10	0.33
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	13	0.33
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	16	0.33
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	22	0.33
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	17	0.33
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	19	0.33
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	13	0.33
(2,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	2	0.33
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB2	4	0.33
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	2	0.33
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	7	0.33
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	1	0.33
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	4	0.33
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	5	0.33
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	6	0.33
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	9	0.33
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	15	0.33
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	22	0.33
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB2	11	0.33
(2,139)	1:23:A:CYS:H	1:22:A:SER:HA	20	0.33
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	23	0.33
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	7	0.33
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	17	0.33
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	6	0.33
(2,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	2	0.33
(2,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	5	0.33
(2,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	7	0.33
(2,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	7	0.33
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	23	0.33
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	15	0.33
(2,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD2	13	0.33
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	23	0.33
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	14	0.33
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	20	0.33
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	11	0.33
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	17	0.33
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	22	0.33
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	14	0.33
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	20	0.33
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	17	0.33
(1,648)	1:18:A:LYS:HG3	1:7:A:TYR:HD1	16	0.33
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG21	1	0.33
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	10	0.33
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	17	0.33
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG11	22	0.33
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	5	0.33
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD3	12	0.33
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	22	0.33
(1,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD21	8	0.33
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	21	0.33
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG2	19	0.33
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	19	0.33
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	15	0.33
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	22	0.33
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	5	0.33
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	23	0.33
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	8	0.33
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB2	2	0.33
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	12	0.33
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	20	0.33
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	1	0.33
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	23	0.33
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	6	0.33
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	22	0.33
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	4	0.33
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	1	0.33
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	17	0.33
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	15	0.33
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	19	0.33
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	14	0.33
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG21	15	0.33
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	16	0.33
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	6	0.33
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	17	0.33
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	20	0.33
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	4	0.33
(1,450)	1:9:A:THR:H	1:30:A:ILE:HA	9	0.33
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	10	0.33
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	18	0.33
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD2	12	0.33
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	9	0.33
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	24	0.33
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	10	0.33
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	21	0.33
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	16	0.33
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	12	0.33
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	22	0.33
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB1	6	0.33
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	17	0.33
(1,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	5	0.33
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	6	0.33
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	15	0.33
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	20	0.33
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	15	0.33
(1,369)	1:9:A:THR:HG23	1:28:A:LYS:HG2	18	0.33
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG22	7	0.33
(1,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	3	0.33
(1,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	22	0.33
(1,360)	1:30:A:ILE:H	1:19:A:ALA:HB1	7	0.33
(1,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	13	0.33
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	8	0.33
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	16	0.33
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	8	0.33
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	11	0.33
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	22	0.33
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	18	0.33
(1,315)	1:15:A:ILE:HG23	1:11:A:CYS:HB3	17	0.33
(1,313)	1:41:A:SER:HB2	1:10:A:TYR:HE1	7	0.33
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	11	0.33
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	12	0.33
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG23	22	0.33
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	5	0.33
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	12	0.33
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	16	0.33
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	20	0.33
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	4	0.33
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	23	0.33
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	10	0.33
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	13	0.33
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD12	7	0.33
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	23	0.33
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	3	0.33
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	21	0.33
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	19	0.33
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD12	10	0.33
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	13	0.33
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	16	0.33
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	22	0.33
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	17	0.33
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	19	0.33
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	13	0.33
(1,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	2	0.33
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB2	4	0.33
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	2	0.33
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	7	0.33
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	1	0.33
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	4	0.33
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	5	0.33
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	6	0.33
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	9	0.33
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	15	0.33
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	22	0.33
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB2	11	0.33
(1,139)	1:23:A:CYS:H	1:22:A:SER:HA	20	0.33
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	23	0.33
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	7	0.33
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	17	0.33
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	6	0.33
(1,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	2	0.33
(1,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG3	5	0.33
(1,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	20	0.33
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	7	0.33
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	23	0.33
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	15	0.33
(1,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD2	13	0.33
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	23	0.33
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	14	0.33
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	20	0.33
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	11	0.33
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	17	0.33
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	22	0.33
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	14	0.33
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	20	0.33
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	17	0.33
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB2	2	0.32
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB2	4	0.32
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB2	8	0.32
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB2	10	0.32
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB3	23	0.32
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	22	0.32
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB3	15	0.32
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB2	1	0.32
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB2	2	0.32
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB2	21	0.32
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	11	0.32
(3,49)	1:25:A:LYS:HD3	1:43:A:PHE:HD2	21	0.32
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	1	0.32
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	1	0.32
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	2	0.32
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	9	0.32
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	10	0.32
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG2	14	0.32
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	9	0.32
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	15	0.32
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	4	0.32
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	5	0.32
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	9	0.32
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	10	0.32
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	9	0.32
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	5	0.32
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	7	0.32
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	7	0.32
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	10	0.32
(2,635)	1:24:A:LYS:HG3	1:24:A:LYS:HE2	3	0.32
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	14	0.32
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	11	0.32
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	4	0.32
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	11	0.32
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	2	0.32
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	21	0.32
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	6	0.32
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	23	0.32
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	18	0.32
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	22	0.32
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	12	0.32
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	10	0.32
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	21	0.32
(2,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD12	5	0.32
(2,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD12	11	0.32
(2,529)	1:30:A:ILE:HG21	1:30:A:ILE:HD11	21	0.32
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	5	0.32
(2,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	18	0.32
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	14	0.32
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	24	0.32
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	11	0.32
(2,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	21	0.32
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	12	0.32
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	17	0.32
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	3	0.32
(2,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG13	22	0.32
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	3	0.32
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	13	0.32
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	1	0.32
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	12	0.32
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	14	0.32
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	24	0.32
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD2	9	0.32
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD1	5	0.32
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	15	0.32
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	12	0.32
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	14	0.32
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	21	0.32
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE1	6	0.32
(2,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE1	23	0.32
(2,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	19	0.32
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	2	0.32
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	7	0.32
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	19	0.32
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	9	0.32
(2,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	16	0.32
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	17	0.32
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	5	0.32
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	18	0.32
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	16	0.32
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	16	0.32
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	2	0.32
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	21	0.32
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	14	0.32
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	18	0.32
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	20	0.32
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	10	0.32
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	15	0.32
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	21	0.32
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG21	14	0.32
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	11	0.32
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	19	0.32
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD12	23	0.32
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	1	0.32
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	20	0.32
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	4	0.32
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	20	0.32
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	11	0.32
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	19	0.32
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	15	0.32
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	17	0.32
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	24	0.32
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	2	0.32
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	22	0.32
(2,173)	1:29:A:VAL:HB	1:29:A:VAL:HG13	16	0.32
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	3	0.32
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	8	0.32
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	10	0.32
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	14	0.32
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	18	0.32
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	20	0.32
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	23	0.32
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	15	0.32
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB2	24	0.32
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG3	16	0.32
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	4	0.32
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	17	0.32
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB2	13	0.32
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	22	0.32
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	9	0.32
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	6	0.32
(2,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	6	0.32
(2,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	4	0.32
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	10	0.32
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	11	0.32
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	5	0.32
(2,113)	1:28:A:LYS:H	1:27:A:LYS:HA	3	0.32
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	16	0.32
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	1	0.32
(2,93)	1:38:A:MET:H	1:38:A:MET:HA	5	0.32
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB3	3	0.32
(2,92)	1:37:A:ASP:H	1:37:A:ASP:HB3	22	0.32
(2,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	21	0.32
(2,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB3	11	0.32
(2,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB3	16	0.32
(2,65)	1:22:A:SER:H	1:21:A:ALA:HB3	8	0.32
(2,64)	1:8:A:CYS:H	1:7:A:TYR:HA	21	0.32
(2,59)	1:20:A:ASN:H	1:19:A:ALA:HA	22	0.32
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	18	0.32
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	4	0.32
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	7	0.32
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	12	0.32
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	13	0.32
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	10	0.32
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	11	0.32
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	6	0.32
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	22	0.32
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	13	0.32
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	7	0.32
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	10	0.32
(1,635)	1:24:A:LYS:HG3	1:24:A:LYS:HE2	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG2	14	0.32
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	11	0.32
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	4	0.32
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	11	0.32
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	2	0.32
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	21	0.32
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	6	0.32
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	23	0.32
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	18	0.32
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	22	0.32
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	12	0.32
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	10	0.32
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	21	0.32
(1,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD12	5	0.32
(1,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD12	11	0.32
(1,529)	1:30:A:ILE:HG21	1:30:A:ILE:HD11	21	0.32
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	5	0.32
(1,524)	1:18:A:LYS:HG3	1:18:A:LYS:HD2	18	0.32
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	14	0.32
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	24	0.32
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	11	0.32
(1,508)	1:27:A:LYS:HA	1:23:A:CYS:HB3	21	0.32
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	12	0.32
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	17	0.32
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	3	0.32
(1,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG13	22	0.32
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	3	0.32
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	13	0.32
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	1	0.32
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	12	0.32
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	14	0.32
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	24	0.32
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD2	9	0.32
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD1	5	0.32
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	15	0.32
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	12	0.32
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	14	0.32
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	21	0.32
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	10	0.32
(1,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE1	6	0.32
(1,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE1	23	0.32
(1,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	2	0.32
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	7	0.32
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	19	0.32
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD3	9	0.32
(1,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	16	0.32
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	17	0.32
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	5	0.32
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	18	0.32
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	16	0.32
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	16	0.32
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	2	0.32
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	21	0.32
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	14	0.32
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	18	0.32
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	20	0.32
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	10	0.32
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	15	0.32
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	21	0.32
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG21	14	0.32
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	11	0.32
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	19	0.32
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD12	23	0.32
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	1	0.32
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	20	0.32
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	4	0.32
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	20	0.32
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	11	0.32
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	19	0.32
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	15	0.32
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	17	0.32
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	24	0.32
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	2	0.32
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	22	0.32
(1,173)	1:29:A:VAL:HB	1:29:A:VAL:HG13	16	0.32
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	3	0.32
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	8	0.32
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	10	0.32
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	14	0.32
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	17	0.32
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	18	0.32
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	20	0.32
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	23	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	15	0.32
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB2	24	0.32
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG3	16	0.32
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	4	0.32
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	17	0.32
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB2	13	0.32
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	22	0.32
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	9	0.32
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	6	0.32
(1,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	6	0.32
(1,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	4	0.32
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	10	0.32
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	11	0.32
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	5	0.32
(1,113)	1:28:A:LYS:H	1:27:A:LYS:HA	3	0.32
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	16	0.32
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	1	0.32
(1,93)	1:38:A:MET:H	1:38:A:MET:HA	5	0.32
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB3	3	0.32
(1,92)	1:37:A:ASP:H	1:37:A:ASP:HB3	22	0.32
(1,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	21	0.32
(1,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB3	11	0.32
(1,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB3	16	0.32
(1,65)	1:22:A:SER:H	1:21:A:ALA:HB3	8	0.32
(1,64)	1:8:A:CYS:H	1:7:A:TYR:HA	21	0.32
(1,59)	1:20:A:ASN:H	1:19:A:ALA:HA	22	0.32
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	18	0.32
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	4	0.32
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	7	0.32
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	12	0.32
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	13	0.32
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	10	0.32
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	11	0.32
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	6	0.32
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	22	0.32
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	13	0.32
(3,90)	1:36:A:ILE:HD12	1:43:A:PHE:HB2	14	0.31
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE1	9	0.31
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB2	22	0.31
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	5	0.31
(3,58)	1:40:A:GLN:HA	1:36:A:ILE:HD12	8	0.31
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB2	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,53)	1:43:A:PHE:H	1:43:A:PHE:HB3	20	0.31
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD11	3	0.31
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD13	15	0.31
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	4	0.31
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	8	0.31
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	5	0.31
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	24	0.31
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB2	17	0.31
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	12	0.31
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	13	0.31
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	17	0.31
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD12	2	0.31
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG12	24	0.31
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	11	0.31
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	21	0.31
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB2	20	0.31
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	1	0.31
(2,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	4	0.31
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG3	5	0.31
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	12	0.31
(2,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	18	0.31
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG3	22	0.31
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	24	0.31
(2,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	3	0.31
(2,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE2	2	0.31
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG22	7	0.31
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	1	0.31
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	18	0.31
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	2	0.31
(2,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD21	12	0.31
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	16	0.31
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	22	0.31
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	19	0.31
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	9	0.31
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	8	0.31
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	24	0.31
(2,529)	1:30:A:ILE:HG21	1:30:A:ILE:HD13	1	0.31
(2,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD12	23	0.31
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	3	0.31
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	6	0.31
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	16	0.31
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	16	0.31
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	9	0.31
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	14	0.31
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	10	0.31
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	21	0.31
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	16	0.31
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	3	0.31
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	15	0.31
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	20	0.31
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	13	0.31
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	20	0.31
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	18	0.31
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	13	0.31
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	23	0.31
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD2	2	0.31
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD1	22	0.31
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	7	0.31
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	11	0.31
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	6	0.31
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	17	0.31
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	7	0.31
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	8	0.31
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	1	0.31
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	12	0.31
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	20	0.31
(2,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE2	7	0.31
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG23	1	0.31
(2,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	21	0.31
(2,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	19	0.31
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	23	0.31
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	14	0.31
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	7	0.31
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	7	0.31
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	20	0.31
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	15	0.31
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	10	0.31
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	19	0.31
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB1	4	0.31
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG21	12	0.31
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	8	0.31
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	1	0.31
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD13	20	0.31
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	16	0.31
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	13	0.31
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	15	0.31
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB3	3	0.31
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	20	0.31
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	21	0.31
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	3	0.31
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	14	0.31
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	4	0.31
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	11	0.31
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	18	0.31
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	2	0.31
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	1	0.31
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	5	0.31
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	12	0.31
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	9	0.31
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	19	0.31
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	13	0.31
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	15	0.31
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	20	0.31
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	16	0.31
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	16	0.31
(2,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	14	0.31
(2,113)	1:28:A:LYS:H	1:27:A:LYS:HA	17	0.31
(2,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	23	0.31
(2,69)	1:30:A:ILE:HD12	1:23:A:CYS:HB2	14	0.31
(2,69)	1:30:A:ILE:HD13	1:23:A:CYS:HB2	16	0.31
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	14	0.31
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	20	0.31
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB2	11	0.31
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB1	23	0.31
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	3	0.31
(2,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	1	0.31
(2,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	20	0.31
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	24	0.31
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	14	0.31
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	1	0.31
(1,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	4	0.31
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG3	5	0.31
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	12	0.31
(1,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG3	22	0.31
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	24	0.31
(1,637)	1:3:A:LYS:HB2	1:3:A:LYS:HD3	3	0.31
(1,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE2	2	0.31
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG22	7	0.31
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	1	0.31
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	18	0.31
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	2	0.31
(1,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD21	12	0.31
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	16	0.31
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	22	0.31
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	19	0.31
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	9	0.31
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	8	0.31
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	24	0.31
(1,529)	1:30:A:ILE:HG21	1:30:A:ILE:HD13	1	0.31
(1,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD12	23	0.31
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	3	0.31
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	6	0.31
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	16	0.31
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	17	0.31
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	16	0.31
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	9	0.31
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	14	0.31
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	10	0.31
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	21	0.31
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	16	0.31
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	3	0.31
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	15	0.31
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	20	0.31
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	13	0.31
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	20	0.31
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	18	0.31
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	13	0.31
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	23	0.31
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD2	2	0.31
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD1	22	0.31
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	7	0.31
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	11	0.31
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	6	0.31
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	17	0.31
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	8	0.31
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	1	0.31
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	12	0.31
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	20	0.31
(1,373)	1:40:A:GLN:HG2	1:10:A:TYR:HE2	7	0.31
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG23	1	0.31
(1,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	21	0.31
(1,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	19	0.31
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	23	0.31
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	14	0.31
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	7	0.31
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	7	0.31
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	20	0.31
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	15	0.31
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	10	0.31
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	19	0.31
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB1	4	0.31
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG21	12	0.31
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	8	0.31
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	1	0.31
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	12	0.31
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD13	20	0.31
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	16	0.31
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	13	0.31
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	15	0.31
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB3	3	0.31
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	20	0.31
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	21	0.31
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	3	0.31
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	14	0.31
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	4	0.31
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	11	0.31
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	18	0.31
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	2	0.31
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	1	0.31
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	5	0.31
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	12	0.31
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	9	0.31
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	19	0.31
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	13	0.31
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	15	0.31
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	16	0.31
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	16	0.31
(1,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	14	0.31
(1,113)	1:28:A:LYS:H	1:27:A:LYS:HA	17	0.31
(1,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	23	0.31
(1,69)	1:30:A:ILE:HD12	1:23:A:CYS:HB2	14	0.31
(1,69)	1:30:A:ILE:HD13	1:23:A:CYS:HB2	16	0.31
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	14	0.31
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	20	0.31
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB2	11	0.31
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB1	23	0.31
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	3	0.31
(1,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	1	0.31
(1,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	20	0.31
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	24	0.31
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	14	0.31
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD1	7	0.3
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	24	0.3
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	17	0.3
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB3	20	0.3
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB3	24	0.3
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	8	0.3
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD13	1	0.3
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	16	0.3
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	6	0.3
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG2	8	0.3
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB3	8	0.3
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	16	0.3
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	5	0.3
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	2	0.3
(2,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	13	0.3
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG3	20	0.3
(2,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	23	0.3
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	11	0.3
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	23	0.3
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	8	0.3
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	18	0.3
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	5	0.3
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	6	0.3
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	17	0.3
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	6	0.3
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	3	0.3
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	15	0.3
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	5	0.3
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	8	0.3
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	16	0.3
(2,539)	1:29:A:VAL:H	1:5:A:ARG:HA	13	0.3
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	1	0.3
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG23	12	0.3
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG21	13	0.3
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG23	15	0.3
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG22	24	0.3
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG23	2	0.3
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	10	0.3
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	6	0.3
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	6	0.3
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	23	0.3
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	6	0.3
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	18	0.3
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	3	0.3
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	5	0.3
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	21	0.3
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	3	0.3
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	24	0.3
(2,456)	1:24:A:LYS:H	1:38:A:MET:HA	14	0.3
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	3	0.3
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	17	0.3
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	3	0.3
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	9	0.3
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	4	0.3
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	6	0.3
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD2	16	0.3
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	4	0.3
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	17	0.3
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	22	0.3
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	10	0.3
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	1	0.3
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB2	13	0.3
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	12	0.3
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	3	0.3
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	19	0.3
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD11	3	0.3
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	24	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	19	0.3
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	21	0.3
(2,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	24	0.3
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	3	0.3
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB2	15	0.3
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	22	0.3
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	22	0.3
(2,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	24	0.3
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	21	0.3
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	14	0.3
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	1	0.3
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	10	0.3
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	2	0.3
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	3	0.3
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	22	0.3
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG23	22	0.3
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	5	0.3
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	14	0.3
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	4	0.3
(2,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB3	15	0.3
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	21	0.3
(2,257)	1:4:A:LYS:H	1:3:A:LYS:HA	7	0.3
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	22	0.3
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD12	8	0.3
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	10	0.3
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	1	0.3
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	3	0.3
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	9	0.3
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	14	0.3
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	21	0.3
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	5	0.3
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	6	0.3
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	13	0.3
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	20	0.3
(2,220)	1:16:A:ARG:H	1:15:A:ILE:HA	23	0.3
(2,209)	1:26:A:CYS:H	1:26:A:CYS:HB2	10	0.3
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	23	0.3
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	8	0.3
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	4	0.3
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	13	0.3
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	13	0.3
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	14	0.3
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	17	0.3
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	21	0.3
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB2	8	0.3
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	3	0.3
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	19	0.3
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	12	0.3
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	13	0.3
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	7	0.3
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	18	0.3
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	22	0.3
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	23	0.3
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	14	0.3
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	20	0.3
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	3	0.3
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	23	0.3
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	21	0.3
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG2	6	0.3
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	4	0.3
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	10	0.3
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	11	0.3
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	11	0.3
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	19	0.3
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	5	0.3
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	1	0.3
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	9	0.3
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	18	0.3
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	2	0.3
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	8	0.3
(2,127)	1:38:A:MET:H	1:38:A:MET:HB2	22	0.3
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	18	0.3
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	14	0.3
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	3	0.3
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	12	0.3
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	22	0.3
(2,113)	1:28:A:LYS:H	1:27:A:LYS:HA	12	0.3
(2,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	12	0.3
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	12	0.3
(2,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	11	0.3
(2,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	11	0.3
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	11	0.3
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	8	0.3
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	16	0.3
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	2	0.3
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB2	22	0.3
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	24	0.3
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	22	0.3
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	18	0.3
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	24	0.3
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	5	0.3
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	23	0.3
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	2	0.3
(1,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	13	0.3
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG3	20	0.3
(1,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	23	0.3
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	11	0.3
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	23	0.3
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	8	0.3
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	18	0.3
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	5	0.3
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	6	0.3
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	17	0.3
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	6	0.3
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	3	0.3
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	3	0.3
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	15	0.3
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	5	0.3
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	8	0.3
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	16	0.3
(1,539)	1:29:A:VAL:H	1:5:A:ARG:HA	13	0.3
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	1	0.3
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG23	12	0.3
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG21	13	0.3
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG23	15	0.3
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG22	24	0.3
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG23	2	0.3
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	10	0.3
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	6	0.3
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	6	0.3
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	23	0.3
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	6	0.3
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	18	0.3
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	5	0.3
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	21	0.3
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	3	0.3
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	24	0.3
(1,456)	1:24:A:LYS:H	1:38:A:MET:HA	14	0.3
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	3	0.3
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	17	0.3
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	3	0.3
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	9	0.3
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	4	0.3
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	6	0.3
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD2	16	0.3
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	4	0.3
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	17	0.3
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	22	0.3
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	10	0.3
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	1	0.3
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB2	13	0.3
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG21	12	0.3
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG2	3	0.3
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	19	0.3
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD11	3	0.3
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	24	0.3
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	19	0.3
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	21	0.3
(1,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	24	0.3
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	3	0.3
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB2	15	0.3
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	22	0.3
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	22	0.3
(1,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	24	0.3
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	21	0.3
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	14	0.3
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	1	0.3
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	10	0.3
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	2	0.3
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	3	0.3
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	22	0.3
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG23	22	0.3
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	5	0.3
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	14	0.3
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB3	15	0.3
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	21	0.3
(1,257)	1:4:A:LYS:H	1:3:A:LYS:HA	7	0.3
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	22	0.3
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD12	8	0.3
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	10	0.3
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	1	0.3
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	3	0.3
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	9	0.3
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	14	0.3
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	21	0.3
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	5	0.3
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	6	0.3
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	13	0.3
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	20	0.3
(1,220)	1:16:A:ARG:H	1:15:A:ILE:HA	23	0.3
(1,209)	1:26:A:CYS:H	1:26:A:CYS:HB2	10	0.3
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	23	0.3
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	8	0.3
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	4	0.3
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	13	0.3
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	13	0.3
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	7	0.3
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	14	0.3
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	17	0.3
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	21	0.3
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB2	8	0.3
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	3	0.3
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	19	0.3
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	12	0.3
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	13	0.3
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	7	0.3
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	18	0.3
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	22	0.3
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	23	0.3
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	14	0.3
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	20	0.3
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	3	0.3
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	23	0.3
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	21	0.3
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG2	6	0.3
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	10	0.3
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	11	0.3
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	11	0.3
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	19	0.3
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	5	0.3
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	1	0.3
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	9	0.3
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	18	0.3
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	2	0.3
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	8	0.3
(1,127)	1:38:A:MET:H	1:38:A:MET:HB2	22	0.3
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	18	0.3
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	14	0.3
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	3	0.3
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	12	0.3
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	22	0.3
(1,113)	1:28:A:LYS:H	1:27:A:LYS:HA	12	0.3
(1,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	12	0.3
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	12	0.3
(1,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	11	0.3
(1,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	11	0.3
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	11	0.3
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	3	0.3
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	8	0.3
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	16	0.3
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	2	0.3
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB2	22	0.3
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	24	0.3
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	22	0.3
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	18	0.3
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	24	0.3
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	5	0.3
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	23	0.3
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG13	12	0.29
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG12	14	0.29
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD2	19	0.29
(3,56)	1:42:A:CYS:HB3	1:43:A:PHE:HD2	21	0.29
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB2	9	0.29
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD13	21	0.29
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	22	0.29
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB2	22	0.29
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	24	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB3	5	0.29
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	3	0.29
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB2	20	0.29
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB2	24	0.29
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	22	0.29
(3,2)	1:43:A:PHE:HD2	1:43:A:PHE:HE2	1	0.29
(3,2)	1:43:A:PHE:HD2	1:43:A:PHE:HE2	2	0.29
(3,2)	1:43:A:PHE:HD2	1:43:A:PHE:HE2	3	0.29
(3,2)	1:43:A:PHE:HD2	1:43:A:PHE:HE2	4	0.29
(3,2)	1:43:A:PHE:HD1	1:43:A:PHE:HE1	5	0.29
(3,2)	1:43:A:PHE:HD1	1:43:A:PHE:HE1	6	0.29
(3,2)	1:43:A:PHE:HD1	1:43:A:PHE:HE1	7	0.29
(3,2)	1:43:A:PHE:HD2	1:43:A:PHE:HE2	8	0.29
(3,2)	1:43:A:PHE:HD1	1:43:A:PHE:HE1	9	0.29
(3,2)	1:43:A:PHE:HD1	1:43:A:PHE:HE1	10	0.29
(3,2)	1:43:A:PHE:HD2	1:43:A:PHE:HE2	11	0.29
(3,2)	1:43:A:PHE:HD2	1:43:A:PHE:HE2	12	0.29
(3,2)	1:43:A:PHE:HD2	1:43:A:PHE:HE2	13	0.29
(3,2)	1:43:A:PHE:HD1	1:43:A:PHE:HE1	14	0.29
(3,2)	1:43:A:PHE:HD2	1:43:A:PHE:HE2	15	0.29
(3,2)	1:43:A:PHE:HD1	1:43:A:PHE:HE1	16	0.29
(3,2)	1:43:A:PHE:HD1	1:43:A:PHE:HE1	17	0.29
(3,2)	1:43:A:PHE:HD2	1:43:A:PHE:HE2	18	0.29
(3,2)	1:43:A:PHE:HD1	1:43:A:PHE:HE1	19	0.29
(3,2)	1:43:A:PHE:HD1	1:43:A:PHE:HE1	20	0.29
(3,2)	1:43:A:PHE:HD1	1:43:A:PHE:HE1	21	0.29
(3,2)	1:43:A:PHE:HD2	1:43:A:PHE:HE2	22	0.29
(3,2)	1:43:A:PHE:HD2	1:43:A:PHE:HE2	23	0.29
(3,2)	1:43:A:PHE:HD2	1:43:A:PHE:HE2	24	0.29
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	6	0.29
(2,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	8	0.29
(2,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	19	0.29
(2,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	1	0.29
(2,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	3	0.29
(2,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	10	0.29
(2,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	11	0.29
(2,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	12	0.29
(2,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	13	0.29
(2,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	22	0.29
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG13	20	0.29
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	14	0.29
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	23	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,619)	1:29:A:VAL:HG22	1:5:A:ARG:HD2	14	0.29
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	10	0.29
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	17	0.29
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	3	0.29
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	18	0.29
(2,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	3	0.29
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	4	0.29
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG21	15	0.29
(2,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	9	0.29
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	9	0.29
(2,557)	1:38:A:MET:H	1:35:A:ASN:HB3	21	0.29
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	5	0.29
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	18	0.29
(2,535)	1:21:A:ALA:H	1:30:A:ILE:H	18	0.29
(2,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	4	0.29
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG22	7	0.29
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG22	14	0.29
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	3	0.29
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	4	0.29
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	11	0.29
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	2	0.29
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	23	0.29
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	16	0.29
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	23	0.29
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	10	0.29
(2,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG12	24	0.29
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	1	0.29
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	19	0.29
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	24	0.29
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	4	0.29
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	20	0.29
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	21	0.29
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	15	0.29
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	21	0.29
(2,450)	1:9:A:THR:H	1:30:A:ILE:HA	7	0.29
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	19	0.29
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	2	0.29
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	17	0.29
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	12	0.29
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	13	0.29
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD2	23	0.29
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	24	0.29
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	1	0.29
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	7	0.29
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	1	0.29
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	16	0.29
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	21	0.29
(2,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	24	0.29
(2,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	9	0.29
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	5	0.29
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG21	20	0.29
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD13	21	0.29
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	9	0.29
(2,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	1	0.29
(2,361)	1:29:A:VAL:HG12	1:22:A:SER:HB2	19	0.29
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	3	0.29
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	9	0.29
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	22	0.29
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	6	0.29
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	6	0.29
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	14	0.29
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	13	0.29
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	1	0.29
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	5	0.29
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	11	0.29
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	21	0.29
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	23	0.29
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	10	0.29
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	3	0.29
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	11	0.29
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB2	10	0.29
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	16	0.29
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	17	0.29
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG21	14	0.29
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	6	0.29
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	23	0.29
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	24	0.29
(2,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	4	0.29
(2,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	24	0.29
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	9	0.29
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	15	0.29
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB2	13	0.29
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG22	10	0.29
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	20	0.29
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB2	16	0.29
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB2	20	0.29
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	4	0.29
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	4	0.29
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB2	4	0.29
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD13	9	0.29
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	18	0.29
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	21	0.29
(2,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	22	0.29
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	4	0.29
(2,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE2	3	0.29
(2,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE2	8	0.29
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	15	0.29
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	16	0.29
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	3	0.29
(2,183)	1:35:A:ASN:H	1:33:A:GLU:HA	12	0.29
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	8	0.29
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	21	0.29
(2,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG23	22	0.29
(2,168)	1:13:A:SER:H	1:13:A:SER:HB3	19	0.29
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	6	0.29
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	9	0.29
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	14	0.29
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	4	0.29
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	4	0.29
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	6	0.29
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	9	0.29
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	11	0.29
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	14	0.29
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	17	0.29
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	20	0.29
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	22	0.29
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	18	0.29
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	3	0.29
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	19	0.29
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	24	0.29
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	2	0.29
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	22	0.29
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	10	0.29
(2,127)	1:38:A:MET:H	1:38:A:MET:HB2	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	13	0.29
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	7	0.29
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	16	0.29
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	18	0.29
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	20	0.29
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	7	0.29
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	8	0.29
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	15	0.29
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	17	0.29
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	19	0.29
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	4	0.29
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	8	0.29
(2,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	13	0.29
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	22	0.29
(2,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	22	0.29
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	9	0.29
(2,79)	1:18:A:LYS:HD3	1:7:A:TYR:HE2	19	0.29
(2,69)	1:30:A:ILE:HD13	1:23:A:CYS:HB2	10	0.29
(2,69)	1:30:A:ILE:HD13	1:23:A:CYS:HB2	12	0.29
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	17	0.29
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	7	0.29
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	19	0.29
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	10	0.29
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	18	0.29
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB3	12	0.29
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	2	0.29
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	5	0.29
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	12	0.29
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	17	0.29
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	20	0.29
(2,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	15	0.29
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	8	0.29
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	20	0.29
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	3	0.29
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	24	0.29
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	6	0.29
(1,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	8	0.29
(1,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	19	0.29
(1,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	1	0.29
(1,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	3	0.29
(1,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	10	0.29
(1,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	12	0.29
(1,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	13	0.29
(1,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	22	0.29
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG13	20	0.29
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	14	0.29
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	23	0.29
(1,619)	1:29:A:VAL:HG22	1:5:A:ARG:HD2	14	0.29
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	10	0.29
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	17	0.29
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	3	0.29
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	18	0.29
(1,611)	1:19:A:ALA:H	1:18:A:LYS:HG3	3	0.29
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	4	0.29
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG21	15	0.29
(1,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	9	0.29
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	9	0.29
(1,557)	1:38:A:MET:H	1:35:A:ASN:HB3	21	0.29
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	5	0.29
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	18	0.29
(1,535)	1:21:A:ALA:H	1:30:A:ILE:H	18	0.29
(1,526)	1:3:A:LYS:HG2	1:3:A:LYS:HD3	4	0.29
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG22	7	0.29
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG22	14	0.29
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	3	0.29
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	4	0.29
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	11	0.29
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	2	0.29
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	23	0.29
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	16	0.29
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	23	0.29
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	10	0.29
(1,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG12	24	0.29
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	1	0.29
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	19	0.29
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	24	0.29
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	4	0.29
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	20	0.29
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	21	0.29
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	15	0.29
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	21	0.29
(1,450)	1:9:A:THR:H	1:30:A:ILE:HA	7	0.29
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD21	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	2	0.29
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	17	0.29
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	12	0.29
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	13	0.29
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD2	23	0.29
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	3	0.29
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	24	0.29
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	1	0.29
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	7	0.29
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	1	0.29
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	16	0.29
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	21	0.29
(1,406)	1:10:A:TYR:HA	1:9:A:THR:HG23	24	0.29
(1,401)	1:32:A:ARG:HE	1:32:A:ARG:HG3	9	0.29
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	5	0.29
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG21	20	0.29
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD13	21	0.29
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	9	0.29
(1,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	1	0.29
(1,361)	1:29:A:VAL:HG12	1:22:A:SER:HB2	19	0.29
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	3	0.29
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	9	0.29
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	22	0.29
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	6	0.29
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	6	0.29
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	14	0.29
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	13	0.29
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	1	0.29
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	5	0.29
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	11	0.29
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	21	0.29
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	23	0.29
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	10	0.29
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	3	0.29
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	11	0.29
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB2	10	0.29
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	16	0.29
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	17	0.29
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG21	14	0.29
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	6	0.29
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	23	0.29
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	24	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	4	0.29
(1,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	24	0.29
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	9	0.29
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	15	0.29
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB2	13	0.29
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	8	0.29
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG22	10	0.29
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	20	0.29
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB2	16	0.29
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB2	20	0.29
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	4	0.29
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	4	0.29
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB2	4	0.29
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD13	9	0.29
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	18	0.29
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	21	0.29
(1,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	22	0.29
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	4	0.29
(1,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE2	3	0.29
(1,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE2	8	0.29
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	15	0.29
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	16	0.29
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	3	0.29
(1,183)	1:35:A:ASN:H	1:33:A:GLU:HA	12	0.29
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	8	0.29
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	21	0.29
(1,172)	1:19:A:ALA:HB3	1:29:A:VAL:HG23	22	0.29
(1,168)	1:13:A:SER:H	1:13:A:SER:HB3	19	0.29
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	6	0.29
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	9	0.29
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	14	0.29
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	4	0.29
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	4	0.29
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	6	0.29
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	9	0.29
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	11	0.29
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	14	0.29
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	17	0.29
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	20	0.29
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	22	0.29
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	18	0.29
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD3	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	19	0.29
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	24	0.29
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	2	0.29
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	22	0.29
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	10	0.29
(1,127)	1:38:A:MET:H	1:38:A:MET:HB2	11	0.29
(1,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	13	0.29
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	7	0.29
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	16	0.29
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	18	0.29
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	20	0.29
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	7	0.29
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	8	0.29
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	15	0.29
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	17	0.29
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	19	0.29
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	4	0.29
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	8	0.29
(1,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	13	0.29
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	22	0.29
(1,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	22	0.29
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	9	0.29
(1,79)	1:18:A:LYS:HD3	1:7:A:TYR:HE2	19	0.29
(1,69)	1:30:A:ILE:HD13	1:23:A:CYS:HB2	10	0.29
(1,69)	1:30:A:ILE:HD13	1:23:A:CYS:HB2	12	0.29
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	17	0.29
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	7	0.29
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	19	0.29
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	10	0.29
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	18	0.29
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB3	12	0.29
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	2	0.29
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	5	0.29
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	12	0.29
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	17	0.29
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	20	0.29
(1,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	15	0.29
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	8	0.29
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	20	0.29
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	3	0.29
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	24	0.29
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG13	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG13	9	0.28
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG13	21	0.28
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB3	7	0.28
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	15	0.28
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	4	0.28
(3,55)	1:43:A:PHE:H	1:41:A:SER:HA	18	0.28
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB3	22	0.28
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	2	0.28
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD11	5	0.28
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	14	0.28
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	24	0.28
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB2	14	0.28
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	2	0.28
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	21	0.28
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD11	22	0.28
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	3	0.28
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG22	13	0.28
(3,8)	1:36:A:ILE:HG21	1:36:A:ILE:HD11	9	0.28
(2,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	23	0.28
(2,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	4	0.28
(2,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	5	0.28
(2,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	7	0.28
(2,632)	1:29:A:VAL:HG13	1:5:A:ARG:HG2	13	0.28
(2,628)	1:9:A:THR:HG23	1:28:A:LYS:HD3	11	0.28
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG12	9	0.28
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	1	0.28
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	21	0.28
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	7	0.28
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	9	0.28
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	1	0.28
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	4	0.28
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	1	0.28
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	4	0.28
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB2	1	0.28
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	22	0.28
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG3	22	0.28
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG2	3	0.28
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG2	7	0.28
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	10	0.28
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	23	0.28
(2,591)	1:18:A:LYS:HG2	1:7:A:TYR:HE1	1	0.28
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	24	0.28
(2,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	21	0.28
(2,535)	1:21:A:ALA:H	1:30:A:ILE:H	4	0.28
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG21	2	0.28
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG22	8	0.28
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG22	10	0.28
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG23	20	0.28
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	13	0.28
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	9	0.28
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	13	0.28
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	3	0.28
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	4	0.28
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	3	0.28
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	20	0.28
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG21	14	0.28
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG21	17	0.28
(2,475)	1:21:A:ALA:HB3	1:30:A:ILE:HG12	16	0.28
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	8	0.28
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	22	0.28
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	3	0.28
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD3	22	0.28
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	6	0.28
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	13	0.28
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	17	0.28
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	10	0.28
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	18	0.28
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	19	0.28
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	23	0.28
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	14	0.28
(2,435)	1:11:A:CYS:H	1:9:A:THR:H	16	0.28
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	14	0.28
(2,432)	1:27:A:LYS:H	1:28:A:LYS:H	8	0.28
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	1	0.28
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	14	0.28
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	11	0.28
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	19	0.28
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	10	0.28
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	23	0.28
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	3	0.28
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB2	24	0.28
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	2	0.28
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD12	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	9	0.28
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	14	0.28
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB3	18	0.28
(2,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	13	0.28
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	14	0.28
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	3	0.28
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	20	0.28
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	2	0.28
(2,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	12	0.28
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	3	0.28
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	17	0.28
(2,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	4	0.28
(2,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	7	0.28
(2,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	19	0.28
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	19	0.28
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	3	0.28
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	7	0.28
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	20	0.28
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	19	0.28
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG23	1	0.28
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	2	0.28
(2,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	2	0.28
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	11	0.28
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	9	0.28
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	15	0.28
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	20	0.28
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	22	0.28
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	11	0.28
(2,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	6	0.28
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	24	0.28
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	4	0.28
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD12	14	0.28
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	8	0.28
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	19	0.28
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	4	0.28
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG21	14	0.28
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	18	0.28
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	11	0.28
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	20	0.28
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	7	0.28
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	16	0.28
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	24	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	24	0.28
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	22	0.28
(2,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE2	1	0.28
(2,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE2	15	0.28
(2,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE2	22	0.28
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	13	0.28
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	19	0.28
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	4	0.28
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	17	0.28
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	22	0.28
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	1	0.28
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	5	0.28
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	7	0.28
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	8	0.28
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	10	0.28
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	12	0.28
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	13	0.28
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	15	0.28
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	16	0.28
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	18	0.28
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	21	0.28
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	24	0.28
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG3	18	0.28
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	18	0.28
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	7	0.28
(2,144)	1:11:A:CYS:H	1:10:A:TYR:HB2	24	0.28
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	11	0.28
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	10	0.28
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	3	0.28
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	5	0.28
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	15	0.28
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	8	0.28
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	1	0.28
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	18	0.28
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	6	0.28
(2,113)	1:28:A:LYS:H	1:27:A:LYS:HA	6	0.28
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	15	0.28
(2,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	7	0.28
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	8	0.28
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	4	0.28
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	6	0.28
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	10	0.28
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	2	0.28
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB2	12	0.28
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	11	0.28
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	8	0.28
(2,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	2	0.28
(2,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	14	0.28
(2,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	16	0.28
(2,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	18	0.28
(2,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	22	0.28
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	1	0.28
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	19	0.28
(1,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	23	0.28
(1,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	4	0.28
(1,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	5	0.28
(1,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	7	0.28
(1,632)	1:29:A:VAL:HG13	1:5:A:ARG:HG2	13	0.28
(1,628)	1:9:A:THR:HG23	1:28:A:LYS:HD3	11	0.28
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG12	9	0.28
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	1	0.28
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	21	0.28
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	7	0.28
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	9	0.28
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	1	0.28
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	4	0.28
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	1	0.28
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	4	0.28
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB2	1	0.28
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	22	0.28
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG3	22	0.28
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG2	3	0.28
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG2	7	0.28
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	10	0.28
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	23	0.28
(1,591)	1:18:A:LYS:HG2	1:7:A:TYR:HE1	1	0.28
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	7	0.28
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	24	0.28
(1,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	21	0.28
(1,535)	1:21:A:ALA:H	1:30:A:ILE:H	4	0.28
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG21	2	0.28
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG22	8	0.28
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG22	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG23	20	0.28
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	13	0.28
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	9	0.28
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	13	0.28
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	3	0.28
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	4	0.28
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	3	0.28
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	20	0.28
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG21	14	0.28
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG21	17	0.28
(1,475)	1:21:A:ALA:HB3	1:30:A:ILE:HG12	16	0.28
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	8	0.28
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	22	0.28
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	3	0.28
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD3	22	0.28
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	6	0.28
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	13	0.28
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	17	0.28
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	10	0.28
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	18	0.28
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	19	0.28
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	23	0.28
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	14	0.28
(1,435)	1:11:A:CYS:H	1:9:A:THR:H	16	0.28
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	14	0.28
(1,432)	1:27:A:LYS:H	1:28:A:LYS:H	8	0.28
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	1	0.28
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	14	0.28
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	11	0.28
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	19	0.28
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	10	0.28
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	23	0.28
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	3	0.28
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB2	24	0.28
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD3	2	0.28
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD12	1	0.28
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	9	0.28
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	14	0.28
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB3	18	0.28
(1,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	13	0.28
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	14	0.28
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	20	0.28
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	2	0.28
(1,326)	1:33:A:GLU:H	1:31:A:CYS:HB2	12	0.28
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	3	0.28
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	17	0.28
(1,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	4	0.28
(1,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	7	0.28
(1,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	19	0.28
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	19	0.28
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD2	3	0.28
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	7	0.28
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD2	20	0.28
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	19	0.28
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG23	1	0.28
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	2	0.28
(1,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	2	0.28
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	11	0.28
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	9	0.28
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	15	0.28
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB2	20	0.28
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	22	0.28
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	11	0.28
(1,252)	1:11:A:CYS:H	1:11:A:CYS:HB2	6	0.28
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	24	0.28
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG21	4	0.28
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD12	14	0.28
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	8	0.28
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	19	0.28
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	4	0.28
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG21	14	0.28
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	18	0.28
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	11	0.28
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	20	0.28
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	7	0.28
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	16	0.28
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	24	0.28
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	24	0.28
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	22	0.28
(1,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE2	1	0.28
(1,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE2	15	0.28
(1,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE2	22	0.28
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	19	0.28
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	4	0.28
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	17	0.28
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	22	0.28
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	1	0.28
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	5	0.28
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	7	0.28
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	8	0.28
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	10	0.28
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	12	0.28
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	13	0.28
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	15	0.28
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	16	0.28
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	18	0.28
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	21	0.28
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	24	0.28
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG3	18	0.28
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	18	0.28
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	7	0.28
(1,144)	1:11:A:CYS:H	1:10:A:TYR:HB2	24	0.28
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	11	0.28
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	10	0.28
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	3	0.28
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	5	0.28
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	15	0.28
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	8	0.28
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	1	0.28
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	18	0.28
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	6	0.28
(1,113)	1:28:A:LYS:H	1:27:A:LYS:HA	6	0.28
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	15	0.28
(1,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	7	0.28
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	8	0.28
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	4	0.28
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	6	0.28
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	15	0.28
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	10	0.28
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	2	0.28
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB2	12	0.28
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	11	0.28
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	8	0.28
(1,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	14	0.28
(1,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	16	0.28
(1,9)	1:40:A:GLN:HG3	1:40:A:GLN:HE21	18	0.28
(1,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	22	0.28
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	1	0.28
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	19	0.28
(3,90)	1:36:A:ILE:HD13	1:43:A:PHE:HB2	24	0.27
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG13	1	0.27
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG13	2	0.27
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG13	10	0.27
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG13	17	0.27
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG13	18	0.27
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB2	20	0.27
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	5	0.27
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	18	0.27
(3,56)	1:42:A:CYS:HB3	1:43:A:PHE:HD1	3	0.27
(3,54)	1:25:A:LYS:HA	1:25:A:LYS:HB2	10	0.27
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD12	11	0.27
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD11	23	0.27
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	21	0.27
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG21	5	0.27
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB3	24	0.27
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD13	1	0.27
(3,22)	1:36:A:ILE:H	1:36:A:ILE:HD13	21	0.27
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	12	0.27
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB3	21	0.27
(3,15)	1:36:A:ILE:HG22	1:38:A:MET:HB3	19	0.27
(3,10)	1:36:A:ILE:HG23	1:36:A:ILE:HG13	5	0.27
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD2	20	0.27
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG3	11	0.27
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	16	0.27
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	17	0.27
(2,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	6	0.27
(2,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	8	0.27
(2,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	15	0.27
(2,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	18	0.27
(2,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE2	15	0.27
(2,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE2	23	0.27
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG21	6	0.27
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG13	22	0.27
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	18	0.27
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	10	0.27
(2,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD21	20	0.27
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG3	24	0.27
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	14	0.27
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	16	0.27
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	6	0.27
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	8	0.27
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	4	0.27
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	8	0.27
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	18	0.27
(2,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	11	0.27
(2,529)	1:30:A:ILE:HG21	1:30:A:ILE:HD11	6	0.27
(2,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD11	18	0.27
(2,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	4	0.27
(2,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	9	0.27
(2,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	11	0.27
(2,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	14	0.27
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG22	17	0.27
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG21	18	0.27
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	6	0.27
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	7	0.27
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	17	0.27
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	1	0.27
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	7	0.27
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	9	0.27
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG13	1	0.27
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	6	0.27
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG21	7	0.27
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	14	0.27
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	15	0.27
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	14	0.27
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD3	13	0.27
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG12	9	0.27
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	9	0.27
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	12	0.27
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	16	0.27
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	6	0.27
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	6	0.27
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	14	0.27
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	22	0.27
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	23	0.27
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD11	1	0.27
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	3	0.27
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	19	0.27
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	6	0.27
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	19	0.27
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	1	0.27
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	6	0.27
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	16	0.27
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE1	2	0.27
(2,385)	1:29:A:VAL:H	1:9:A:THR:HB	10	0.27
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	16	0.27
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	22	0.27
(2,369)	1:9:A:THR:HG21	1:28:A:LYS:HG2	11	0.27
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	20	0.27
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	11	0.27
(2,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	23	0.27
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	20	0.27
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	5	0.27
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD13	1	0.27
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	3	0.27
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	9	0.27
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	4	0.27
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	16	0.27
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	21	0.27
(2,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	7	0.27
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	19	0.27
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB2	5	0.27
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	13	0.27
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG23	7	0.27
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	22	0.27
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	1	0.27
(2,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	5	0.27
(2,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	6	0.27
(2,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	17	0.27
(2,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	18	0.27
(2,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	21	0.27
(2,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	24	0.27
(2,261)	1:30:A:ILE:HG21	1:39:A:CYS:HB3	21	0.27
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	14	0.27
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB3	2	0.27
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	4	0.27
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	22	0.27
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	15	0.27
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	8	0.27
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	23	0.27
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	16	0.27
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG21	12	0.27
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	6	0.27
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	24	0.27
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	2	0.27
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	23	0.27
(2,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	5	0.27
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	15	0.27
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	23	0.27
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	15	0.27
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	18	0.27
(2,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE2	24	0.27
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	4	0.27
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	14	0.27
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	23	0.27
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	7	0.27
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	16	0.27
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	23	0.27
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	1	0.27
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	3	0.27
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	4	0.27
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	6	0.27
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	18	0.27
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	10	0.27
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB3	17	0.27
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	8	0.27
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	20	0.27
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	17	0.27
(2,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	2	0.27
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	14	0.27
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG2	4	0.27
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG2	19	0.27
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	8	0.27
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	21	0.27
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	21	0.27
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	22	0.27
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB3	20	0.27
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	1	0.27
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	14	0.27
(2,127)	1:38:A:MET:H	1:38:A:MET:HB3	9	0.27
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	9	0.27
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG3	12	0.27
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	13	0.27
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	23	0.27
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	24	0.27
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	1	0.27
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG3	14	0.27
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	11	0.27
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	18	0.27
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	21	0.27
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	23	0.27
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	18	0.27
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	24	0.27
(2,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	13	0.27
(2,79)	1:18:A:LYS:HD3	1:7:A:TYR:HE1	8	0.27
(2,79)	1:18:A:LYS:HD3	1:7:A:TYR:HE1	10	0.27
(2,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	21	0.27
(2,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD1	16	0.27
(2,69)	1:30:A:ILE:HD12	1:23:A:CYS:HB2	23	0.27
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	19	0.27
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	7	0.27
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	10	0.27
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	13	0.27
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	21	0.27
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	3	0.27
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	8	0.27
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	19	0.27
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	22	0.27
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	17	0.27
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	2	0.27
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	8	0.27
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB2	9	0.27
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	22	0.27
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	14	0.27
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	1	0.27
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	16	0.27
(2,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	11	0.27
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	23	0.27
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG3	11	0.27
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	16	0.27
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	17	0.27
(1,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	6	0.27
(1,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	8	0.27
(1,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	15	0.27
(1,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	18	0.27
(1,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE2	15	0.27
(1,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE2	23	0.27
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG21	6	0.27
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG13	22	0.27
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	18	0.27
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	19	0.27
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	10	0.27
(1,608)	1:32:A:ARG:HG2	1:20:A:ASN:HD21	20	0.27
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG3	24	0.27
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	14	0.27
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	16	0.27
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	6	0.27
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	8	0.27
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	4	0.27
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	8	0.27
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	18	0.27
(1,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	11	0.27
(1,529)	1:30:A:ILE:HG21	1:30:A:ILE:HD11	6	0.27
(1,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD11	18	0.27
(1,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	4	0.27
(1,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	9	0.27
(1,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	11	0.27
(1,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	14	0.27
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG22	17	0.27
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG21	18	0.27
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	6	0.27
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	7	0.27
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	17	0.27
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	1	0.27
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	7	0.27
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	9	0.27
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG13	1	0.27
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	6	0.27
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG21	7	0.27
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	15	0.27
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	14	0.27
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD3	13	0.27
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG12	9	0.27
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	9	0.27
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	12	0.27
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	16	0.27
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	6	0.27
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	6	0.27
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	14	0.27
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	22	0.27
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	23	0.27
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	8	0.27
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD11	1	0.27
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	3	0.27
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	19	0.27
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	6	0.27
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	19	0.27
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	1	0.27
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	6	0.27
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	16	0.27
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE1	2	0.27
(1,385)	1:29:A:VAL:H	1:9:A:THR:HB	10	0.27
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	16	0.27
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	22	0.27
(1,369)	1:9:A:THR:HG21	1:28:A:LYS:HG2	11	0.27
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	20	0.27
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	11	0.27
(1,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	23	0.27
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	20	0.27
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	5	0.27
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD13	1	0.27
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	3	0.27
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	9	0.27
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	4	0.27
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	16	0.27
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB2	21	0.27
(1,294)	1:30:A:ILE:H	1:30:A:ILE:HG21	7	0.27
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	19	0.27
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB2	5	0.27
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	13	0.27
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG23	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	22	0.27
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	1	0.27
(1,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	5	0.27
(1,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	6	0.27
(1,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	17	0.27
(1,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	18	0.27
(1,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	21	0.27
(1,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	24	0.27
(1,261)	1:30:A:ILE:HG21	1:39:A:CYS:HB3	21	0.27
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	14	0.27
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB3	2	0.27
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	4	0.27
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	7	0.27
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	22	0.27
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	15	0.27
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	8	0.27
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	23	0.27
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	16	0.27
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG21	12	0.27
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	6	0.27
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	24	0.27
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	2	0.27
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	23	0.27
(1,214)	1:15:A:ILE:HB	1:15:A:ILE:HD11	5	0.27
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	15	0.27
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	23	0.27
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	15	0.27
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	18	0.27
(1,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE2	24	0.27
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	4	0.27
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	14	0.27
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	23	0.27
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	7	0.27
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	16	0.27
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	23	0.27
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	1	0.27
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	3	0.27
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	4	0.27
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	6	0.27
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	18	0.27
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	10	0.27
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB3	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	8	0.27
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	20	0.27
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	17	0.27
(1,164)	1:12:A:PRO:HA	1:12:A:PRO:HB3	2	0.27
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	14	0.27
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG2	4	0.27
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG2	19	0.27
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	8	0.27
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	21	0.27
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	21	0.27
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	22	0.27
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB3	20	0.27
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	14	0.27
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	1	0.27
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	14	0.27
(1,127)	1:38:A:MET:H	1:38:A:MET:HB3	9	0.27
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	9	0.27
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG3	12	0.27
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	13	0.27
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	23	0.27
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	24	0.27
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	1	0.27
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG3	14	0.27
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	11	0.27
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	18	0.27
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	21	0.27
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	23	0.27
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	18	0.27
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE2	24	0.27
(1,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	13	0.27
(1,79)	1:18:A:LYS:HD3	1:7:A:TYR:HE1	8	0.27
(1,79)	1:18:A:LYS:HD3	1:7:A:TYR:HE1	10	0.27
(1,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	21	0.27
(1,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD1	16	0.27
(1,69)	1:30:A:ILE:HD12	1:23:A:CYS:HB2	23	0.27
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	19	0.27
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	7	0.27
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	10	0.27
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	13	0.27
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	21	0.27
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	3	0.27
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	19	0.27
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	22	0.27
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	17	0.27
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	2	0.27
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	8	0.27
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB2	9	0.27
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	22	0.27
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	14	0.27
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	1	0.27
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	16	0.27
(1,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	11	0.27
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	23	0.27
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	11	0.27
(3,94)	1:25:A:LYS:H	1:26:A:CYS:H	10	0.26
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG13	4	0.26
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG12	5	0.26
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG13	22	0.26
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB2	3	0.26
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB3	9	0.26
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB2	21	0.26
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	17	0.26
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	7	0.26
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	6	0.26
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	9	0.26
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	18	0.26
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG2	17	0.26
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG3	24	0.26
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	2	0.26
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB2	9	0.26
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	6	0.26
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	7	0.26
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	22	0.26
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	10	0.26
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	14	0.26
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB2	4	0.26
(3,8)	1:36:A:ILE:HG22	1:36:A:ILE:HD13	12	0.26
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	10	0.26
(2,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	15	0.26
(2,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	21	0.26
(2,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	17	0.26
(2,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	24	0.26
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	12	0.26
(2,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE3	16	0.26
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	3	0.26
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	17	0.26
(2,614)	1:24:A:LYS:HA	1:24:A:LYS:HB3	11	0.26
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	14	0.26
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	15	0.26
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	20	0.26
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	10	0.26
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	8	0.26
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	13	0.26
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	17	0.26
(2,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	20	0.26
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	13	0.26
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	7	0.26
(2,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	3	0.26
(2,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	7	0.26
(2,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	8	0.26
(2,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	18	0.26
(2,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	24	0.26
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG21	1	0.26
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG23	3	0.26
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG23	6	0.26
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	1	0.26
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	5	0.26
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	8	0.26
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	12	0.26
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	18	0.26
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	15	0.26
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	16	0.26
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	21	0.26
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	23	0.26
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG21	9	0.26
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG22	13	0.26
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG22	14	0.26
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	24	0.26
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	12	0.26
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	2	0.26
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	4	0.26
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	14	0.26
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	23	0.26
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	12	0.26
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	16	0.26
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	20	0.26
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	24	0.26
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD1	9	0.26
(2,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	21	0.26
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	15	0.26
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	9	0.26
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	12	0.26
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	13	0.26
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	5	0.26
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	14	0.26
(2,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	6	0.26
(2,403)	1:9:A:THR:HG21	1:28:A:LYS:HE2	11	0.26
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	11	0.26
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	11	0.26
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	5	0.26
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD11	6	0.26
(2,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	8	0.26
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	7	0.26
(2,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	10	0.26
(2,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	23	0.26
(2,369)	1:9:A:THR:HG23	1:28:A:LYS:HG3	1	0.26
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB3	5	0.26
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	16	0.26
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	24	0.26
(2,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD3	10	0.26
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	7	0.26
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	4	0.26
(2,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	11	0.26
(2,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	6	0.26
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB1	1	0.26
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	22	0.26
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	2	0.26
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	6	0.26
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	14	0.26
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	7	0.26
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	4	0.26
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	5	0.26
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD2	4	0.26
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	23	0.26
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	20	0.26
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	20	0.26
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	12	0.26
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	17	0.26
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	20	0.26
(2,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	11	0.26
(2,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	14	0.26
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	10	0.26
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB2	15	0.26
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	23	0.26
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	4	0.26
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	8	0.26
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG23	11	0.26
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	12	0.26
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	12	0.26
(2,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	8	0.26
(2,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	9	0.26
(2,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	12	0.26
(2,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	13	0.26
(2,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	14	0.26
(2,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	16	0.26
(2,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	22	0.26
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB2	4	0.26
(2,257)	1:4:A:LYS:H	1:3:A:LYS:HA	12	0.26
(2,257)	1:4:A:LYS:H	1:3:A:LYS:HA	20	0.26
(2,257)	1:4:A:LYS:H	1:3:A:LYS:HA	22	0.26
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	16	0.26
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	19	0.26
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	22	0.26
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	9	0.26
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB3	5	0.26
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	8	0.26
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD12	18	0.26
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD2	12	0.26
(2,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	20	0.26
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	12	0.26
(2,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	14	0.26
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	1	0.26
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	9	0.26
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	20	0.26
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	18	0.26
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	10	0.26
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	11	0.26
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	19	0.26
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	20	0.26
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	22	0.26
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	23	0.26
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	3	0.26
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	10	0.26
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	7	0.26
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG2	20	0.26
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	2	0.26
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	6	0.26
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	13	0.26
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	19	0.26
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	10	0.26
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	1	0.26
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	15	0.26
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	21	0.26
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB3	4	0.26
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB2	7	0.26
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	19	0.26
(2,130)	1:33:A:GLU:H	1:35:A:ASN:H	8	0.26
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	20	0.26
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	4	0.26
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	16	0.26
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB2	5	0.26
(2,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	4	0.26
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	1	0.26
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	2	0.26
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	13	0.26
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	13	0.26
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	19	0.26
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	9	0.26
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	14	0.26
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	15	0.26
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG3	6	0.26
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	20	0.26
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	19	0.26
(2,107)	1:32:A:ARG:HB2	1:32:A:ARG:HD2	5	0.26
(2,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	10	0.26
(2,81)	1:16:A:ARG:HA	1:7:A:TYR:HD1	6	0.26
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE1	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,70)	1:30:A:ILE:HD13	1:35:A:ASN:HB2	18	0.26
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	23	0.26
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	12	0.26
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	23	0.26
(2,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	22	0.26
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	6	0.26
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	21	0.26
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	17	0.26
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB3	24	0.26
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB2	13	0.26
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB2	1	0.26
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	4	0.26
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	5	0.26
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	18	0.26
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	21	0.26
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	24	0.26
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	21	0.26
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	13	0.26
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	24	0.26
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB2	8	0.26
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB2	10	0.26
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	5	0.26
(2,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	10	0.26
(2,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	13	0.26
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	1	0.26
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	17	0.26
(1,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	15	0.26
(1,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	21	0.26
(1,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	17	0.26
(1,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	24	0.26
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	20	0.26
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	12	0.26
(1,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE3	16	0.26
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	3	0.26
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	17	0.26
(1,614)	1:24:A:LYS:HA	1:24:A:LYS:HB3	11	0.26
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	14	0.26
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	15	0.26
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	20	0.26
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	10	0.26
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	8	0.26
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	17	0.26
(1,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	20	0.26
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	13	0.26
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	7	0.26
(1,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	3	0.26
(1,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	7	0.26
(1,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	8	0.26
(1,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	18	0.26
(1,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	24	0.26
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG21	1	0.26
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG23	3	0.26
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG23	6	0.26
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	1	0.26
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	5	0.26
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	8	0.26
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	12	0.26
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	18	0.26
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	15	0.26
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	16	0.26
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	21	0.26
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	23	0.26
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG21	9	0.26
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG22	13	0.26
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG22	14	0.26
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	24	0.26
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	12	0.26
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	2	0.26
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	4	0.26
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	14	0.26
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	23	0.26
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	2	0.26
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	12	0.26
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	16	0.26
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	20	0.26
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	24	0.26
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD1	9	0.26
(1,445)	1:18:A:LYS:H	1:7:A:TYR:HD2	21	0.26
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	15	0.26
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	9	0.26
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	12	0.26
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	13	0.26
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	14	0.26
(1,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	6	0.26
(1,403)	1:9:A:THR:HG21	1:28:A:LYS:HE2	11	0.26
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	11	0.26
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	11	0.26
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	5	0.26
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD11	6	0.26
(1,381)	1:20:A:ASN:HA	1:20:A:ASN:HD21	8	0.26
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	7	0.26
(1,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	10	0.26
(1,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	23	0.26
(1,369)	1:9:A:THR:HG23	1:28:A:LYS:HG3	1	0.26
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB3	5	0.26
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	16	0.26
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	24	0.26
(1,362)	1:15:A:ILE:HD12	1:12:A:PRO:HD3	10	0.26
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	7	0.26
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	4	0.26
(1,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	11	0.26
(1,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	6	0.26
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB1	1	0.26
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	22	0.26
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	2	0.26
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	6	0.26
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	14	0.26
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	7	0.26
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	4	0.26
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	5	0.26
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD2	4	0.26
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	23	0.26
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	19	0.26
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	20	0.26
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	20	0.26
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	12	0.26
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	17	0.26
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	20	0.26
(1,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	11	0.26
(1,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	14	0.26
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB2	10	0.26
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB2	15	0.26
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	23	0.26
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	8	0.26
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG23	11	0.26
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	12	0.26
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	12	0.26
(1,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	8	0.26
(1,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	9	0.26
(1,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	12	0.26
(1,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	13	0.26
(1,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	14	0.26
(1,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	16	0.26
(1,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	22	0.26
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB2	4	0.26
(1,257)	1:4:A:LYS:H	1:3:A:LYS:HA	12	0.26
(1,257)	1:4:A:LYS:H	1:3:A:LYS:HA	20	0.26
(1,257)	1:4:A:LYS:H	1:3:A:LYS:HA	22	0.26
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	16	0.26
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	19	0.26
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	22	0.26
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	9	0.26
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB3	5	0.26
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	8	0.26
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD12	18	0.26
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD2	12	0.26
(1,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	20	0.26
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	12	0.26
(1,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	14	0.26
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	1	0.26
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	9	0.26
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	20	0.26
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	18	0.26
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	19	0.26
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	10	0.26
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	11	0.26
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	19	0.26
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	20	0.26
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	22	0.26
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	23	0.26
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	3	0.26
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	10	0.26
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	7	0.26
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG2	20	0.26
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	6	0.26
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	13	0.26
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	19	0.26
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	10	0.26
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	1	0.26
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	15	0.26
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	21	0.26
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB3	4	0.26
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB2	7	0.26
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	19	0.26
(1,130)	1:33:A:GLU:H	1:35:A:ASN:H	8	0.26
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	20	0.26
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	4	0.26
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	16	0.26
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB2	5	0.26
(1,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	4	0.26
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	1	0.26
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	2	0.26
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	13	0.26
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	13	0.26
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	19	0.26
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	9	0.26
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	14	0.26
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	15	0.26
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG3	6	0.26
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	20	0.26
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	19	0.26
(1,107)	1:32:A:ARG:HB2	1:32:A:ARG:HD2	5	0.26
(1,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	10	0.26
(1,81)	1:16:A:ARG:HA	1:7:A:TYR:HD1	6	0.26
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE1	6	0.26
(1,70)	1:30:A:ILE:HD13	1:35:A:ASN:HB2	18	0.26
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	23	0.26
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	12	0.26
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	23	0.26
(1,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	22	0.26
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	6	0.26
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	21	0.26
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	17	0.26
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB3	24	0.26
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB2	13	0.26
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB2	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	4	0.26
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	5	0.26
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	18	0.26
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	21	0.26
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	24	0.26
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	21	0.26
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	13	0.26
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	24	0.26
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB2	8	0.26
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB2	10	0.26
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	5	0.26
(1,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	10	0.26
(1,9)	1:40:A:GLN:HG2	1:40:A:GLN:HE21	13	0.26
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	1	0.26
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	17	0.26
(3,90)	1:36:A:ILE:HD12	1:43:A:PHE:HB2	8	0.25
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG12	11	0.25
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG13	20	0.25
(3,75)	1:25:A:LYS:HG2	1:25:A:LYS:HE2	13	0.25
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB3	15	0.25
(3,61)	1:25:A:LYS:HG2	1:43:A:PHE:HE1	17	0.25
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	10	0.25
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	11	0.25
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	13	0.25
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG3	22	0.25
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	14	0.25
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB2	5	0.25
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB3	18	0.25
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB2	21	0.25
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	14	0.25
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB2	2	0.25
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG21	19	0.25
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	15	0.25
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	15	0.25
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB2	22	0.25
(3,10)	1:36:A:ILE:HG21	1:36:A:ILE:HG12	14	0.25
(3,8)	1:36:A:ILE:HG21	1:36:A:ILE:HD13	14	0.25
(3,8)	1:36:A:ILE:HG22	1:36:A:ILE:HD12	18	0.25
(2,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	14	0.25
(2,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	19	0.25
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	3	0.25
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	13	0.25
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	22	0.25
(2,636)	1:24:A:LYS:HB3	1:24:A:LYS:HD2	1	0.25
(2,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD2	3	0.25
(2,632)	1:29:A:VAL:HG13	1:5:A:ARG:HG2	3	0.25
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG22	21	0.25
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	9	0.25
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	4	0.25
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	6	0.25
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	16	0.25
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	6	0.25
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	14	0.25
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB2	5	0.25
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	22	0.25
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	24	0.25
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	23	0.25
(2,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	6	0.25
(2,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	12	0.25
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	10	0.25
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	11	0.25
(2,529)	1:30:A:ILE:HG21	1:30:A:ILE:HD13	12	0.25
(2,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	13	0.25
(2,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	16	0.25
(2,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	17	0.25
(2,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	23	0.25
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG22	19	0.25
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	8	0.25
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	9	0.25
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	10	0.25
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	11	0.25
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	13	0.25
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	18	0.25
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG23	8	0.25
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG21	22	0.25
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG23	14	0.25
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	11	0.25
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	15	0.25
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	17	0.25
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	8	0.25
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG22	16	0.25
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	20	0.25
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG22	24	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	7	0.25
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	18	0.25
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	23	0.25
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	11	0.25
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	8	0.25
(2,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	10	0.25
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	8	0.25
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	10	0.25
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	11	0.25
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	18	0.25
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	22	0.25
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	23	0.25
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	16	0.25
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	19	0.25
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	8	0.25
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	13	0.25
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	15	0.25
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD2	9	0.25
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	8	0.25
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	19	0.25
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	18	0.25
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	3	0.25
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	23	0.25
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	4	0.25
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB2	15	0.25
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	9	0.25
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	17	0.25
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB1	13	0.25
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	21	0.25
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	1	0.25
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	18	0.25
(2,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE2	22	0.25
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	2	0.25
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	6	0.25
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	8	0.25
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	18	0.25
(2,365)	1:30:A:ILE:HD12	1:39:A:CYS:HB3	5	0.25
(2,361)	1:29:A:VAL:HG13	1:22:A:SER:HB3	9	0.25
(2,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	20	0.25
(2,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	9	0.25
(2,356)	1:19:A:ALA:HB1	1:8:A:CYS:HB2	12	0.25
(2,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	22	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	13	0.25
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	21	0.25
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	2	0.25
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	20	0.25
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	17	0.25
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	13	0.25
(2,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	3	0.25
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	3	0.25
(2,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	18	0.25
(2,313)	1:41:A:SER:HB3	1:10:A:TYR:HE2	15	0.25
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	1	0.25
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	22	0.25
(2,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	15	0.25
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	16	0.25
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	3	0.25
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	6	0.25
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	18	0.25
(2,278)	1:29:A:VAL:HG13	1:5:A:ARG:HB2	1	0.25
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	14	0.25
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	21	0.25
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	11	0.25
(2,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	10	0.25
(2,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	20	0.25
(2,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	23	0.25
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	4	0.25
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	17	0.25
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	18	0.25
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	10	0.25
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	3	0.25
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB2	14	0.25
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	4	0.25
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	23	0.25
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD12	16	0.25
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG23	15	0.25
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	12	0.25
(2,223)	1:14:A:LYS:H	1:13:A:SER:HB2	6	0.25
(2,223)	1:14:A:LYS:H	1:13:A:SER:HB2	12	0.25
(2,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	23	0.25
(2,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	3	0.25
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	21	0.25
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB3	12	0.25
(2,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	1	0.25
(2,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE2	10	0.25
(2,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	12	0.25
(2,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	13	0.25
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	18	0.25
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	13	0.25
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	16	0.25
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	5	0.25
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	9	0.25
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	13	0.25
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	15	0.25
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	23	0.25
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB3	1	0.25
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	2	0.25
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	4	0.25
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG2	5	0.25
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	15	0.25
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	16	0.25
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	23	0.25
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	22	0.25
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	5	0.25
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	23	0.25
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB2	12	0.25
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	1	0.25
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	13	0.25
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	8	0.25
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	11	0.25
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	16	0.25
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	18	0.25
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	20	0.25
(2,131)	1:32:A:ARG:H	1:33:A:GLU:H	24	0.25
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	21	0.25
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	24	0.25
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	16	0.25
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	24	0.25
(2,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	9	0.25
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	2	0.25
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	3	0.25
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	5	0.25
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	6	0.25
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	11	0.25
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	21	0.25
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	23	0.25
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	24	0.25
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	21	0.25
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	10	0.25
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	11	0.25
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	9	0.25
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	10	0.25
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG3	12	0.25
(2,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG2	19	0.25
(2,113)	1:28:A:LYS:H	1:27:A:LYS:HA	13	0.25
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	15	0.25
(2,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	24	0.25
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	10	0.25
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	3	0.25
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE1	8	0.25
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	17	0.25
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	18	0.25
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	20	0.25
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	11	0.25
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	1	0.25
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	5	0.25
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB2	6	0.25
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	11	0.25
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	12	0.25
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	14	0.25
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	15	0.25
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	16	0.25
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	19	0.25
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	20	0.25
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB2	23	0.25
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	10	0.25
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	4	0.25
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	3	0.25
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB2	15	0.25
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	9	0.25
(2,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	21	0.25
(1,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	14	0.25
(1,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	19	0.25
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	3	0.25
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	5	0.25
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	22	0.25
(1,636)	1:24:A:LYS:HB3	1:24:A:LYS:HD2	1	0.25
(1,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD2	3	0.25
(1,632)	1:29:A:VAL:HG13	1:5:A:ARG:HG2	3	0.25
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG22	21	0.25
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	9	0.25
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	4	0.25
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	6	0.25
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	16	0.25
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	6	0.25
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	14	0.25
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB2	5	0.25
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	22	0.25
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	24	0.25
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	23	0.25
(1,570)	1:9:A:THR:HB	1:10:A:TYR:HE2	6	0.25
(1,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	12	0.25
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	10	0.25
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	11	0.25
(1,529)	1:30:A:ILE:HG21	1:30:A:ILE:HD13	12	0.25
(1,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	13	0.25
(1,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	16	0.25
(1,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	17	0.25
(1,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	23	0.25
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG22	19	0.25
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	8	0.25
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	9	0.25
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	10	0.25
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	11	0.25
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	13	0.25
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	18	0.25
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG23	8	0.25
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG21	22	0.25
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG23	14	0.25
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	11	0.25
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	15	0.25
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	17	0.25
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	8	0.25
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG22	16	0.25
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	20	0.25
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG22	24	0.25
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	18	0.25
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	23	0.25
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	11	0.25
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	8	0.25
(1,460)	1:7:A:TYR:HA	1:6:A:THR:HG23	10	0.25
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	8	0.25
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	10	0.25
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	11	0.25
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	18	0.25
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	22	0.25
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	23	0.25
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	16	0.25
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	19	0.25
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	8	0.25
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	13	0.25
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	15	0.25
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD2	9	0.25
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	8	0.25
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	19	0.25
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	18	0.25
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	3	0.25
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	23	0.25
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	4	0.25
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB2	15	0.25
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	9	0.25
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	17	0.25
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB1	13	0.25
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	21	0.25
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	1	0.25
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	18	0.25
(1,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE2	22	0.25
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	2	0.25
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	6	0.25
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	8	0.25
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	18	0.25
(1,365)	1:30:A:ILE:HD12	1:39:A:CYS:HB3	5	0.25
(1,361)	1:29:A:VAL:HG13	1:22:A:SER:HB3	9	0.25
(1,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	20	0.25
(1,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	9	0.25
(1,356)	1:19:A:ALA:HB1	1:8:A:CYS:HB2	12	0.25
(1,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	22	0.25
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	21	0.25
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	2	0.25
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	20	0.25
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG2	17	0.25
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	13	0.25
(1,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	3	0.25
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	3	0.25
(1,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	18	0.25
(1,313)	1:41:A:SER:HB3	1:10:A:TYR:HE2	15	0.25
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	1	0.25
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	22	0.25
(1,308)	1:31:A:CYS:H	1:8:A:CYS:HB3	15	0.25
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	16	0.25
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	3	0.25
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	6	0.25
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	18	0.25
(1,278)	1:29:A:VAL:HG13	1:5:A:ARG:HB2	1	0.25
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	14	0.25
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	21	0.25
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	11	0.25
(1,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	10	0.25
(1,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	20	0.25
(1,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	23	0.25
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	4	0.25
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	17	0.25
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	18	0.25
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	10	0.25
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	3	0.25
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB2	14	0.25
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	4	0.25
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	23	0.25
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD12	16	0.25
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG23	15	0.25
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	12	0.25
(1,223)	1:14:A:LYS:H	1:13:A:SER:HB2	6	0.25
(1,223)	1:14:A:LYS:H	1:13:A:SER:HB2	12	0.25
(1,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	23	0.25
(1,208)	1:27:A:LYS:H	1:27:A:LYS:HB2	3	0.25
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	21	0.25
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB3	12	0.25
(1,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	2	0.25
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE2	10	0.25
(1,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	12	0.25
(1,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	13	0.25
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	18	0.25
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	13	0.25
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	16	0.25
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	5	0.25
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	9	0.25
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	13	0.25
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	15	0.25
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	23	0.25
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB3	1	0.25
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	2	0.25
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	4	0.25
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG2	5	0.25
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	15	0.25
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	16	0.25
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	23	0.25
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	22	0.25
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	5	0.25
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	23	0.25
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB2	12	0.25
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	1	0.25
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	13	0.25
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	8	0.25
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	11	0.25
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	16	0.25
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	18	0.25
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	20	0.25
(1,131)	1:32:A:ARG:H	1:33:A:GLU:H	24	0.25
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	21	0.25
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	24	0.25
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	16	0.25
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	24	0.25
(1,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	9	0.25
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	2	0.25
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	3	0.25
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	5	0.25
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	6	0.25
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	11	0.25
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	17	0.25
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	21	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	23	0.25
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	24	0.25
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	21	0.25
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	10	0.25
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	11	0.25
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	9	0.25
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	10	0.25
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG3	12	0.25
(1,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG2	19	0.25
(1,113)	1:28:A:LYS:H	1:27:A:LYS:HA	13	0.25
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	15	0.25
(1,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	24	0.25
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	10	0.25
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD1	3	0.25
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE1	8	0.25
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	17	0.25
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	18	0.25
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	20	0.25
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	11	0.25
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	1	0.25
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	5	0.25
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB2	6	0.25
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	11	0.25
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	12	0.25
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	14	0.25
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	15	0.25
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	16	0.25
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	19	0.25
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	20	0.25
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB2	23	0.25
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	10	0.25
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	4	0.25
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	3	0.25
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB2	15	0.25
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	9	0.25
(1,2)	1:7:A:TYR:H	1:7:A:TYR:HB2	21	0.25
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG12	3	0.24
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG13	6	0.24
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG12	23	0.24
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG13	24	0.24
(3,75)	1:25:A:LYS:HG2	1:25:A:LYS:HE2	15	0.24
(3,72)	1:36:A:ILE:HA	1:36:A:ILE:HB	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,70)	1:36:A:ILE:HD11	1:43:A:PHE:HD2	14	0.24
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	5	0.24
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	20	0.24
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD2	23	0.24
(3,42)	1:25:A:LYS:HA	1:25:A:LYS:HD3	12	0.24
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE3	1	0.24
(3,35)	1:36:A:ILE:H	1:39:A:CYS:HA	18	0.24
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB2	6	0.24
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	13	0.24
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	7	0.24
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB2	15	0.24
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB3	9	0.24
(3,8)	1:36:A:ILE:HG23	1:36:A:ILE:HD13	8	0.24
(3,8)	1:36:A:ILE:HG22	1:36:A:ILE:HD13	10	0.24
(3,8)	1:36:A:ILE:HG23	1:36:A:ILE:HD11	22	0.24
(3,3)	1:43:A:PHE:HB3	1:43:A:PHE:HD1	14	0.24
(3,3)	1:43:A:PHE:HB3	1:43:A:PHE:HD2	17	0.24
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	14	0.24
(2,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	2	0.24
(2,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	20	0.24
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	9	0.24
(2,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	14	0.24
(2,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	24	0.24
(2,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	7	0.24
(2,632)	1:29:A:VAL:HG11	1:5:A:ARG:HG2	10	0.24
(2,628)	1:9:A:THR:HG21	1:28:A:LYS:HD3	15	0.24
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG3	24	0.24
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	14	0.24
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	20	0.24
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	3	0.24
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	5	0.24
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	17	0.24
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	3	0.24
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	9	0.24
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	12	0.24
(2,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	2	0.24
(2,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	13	0.24
(2,545)	1:15:A:ILE:HG22	1:17:A:ARG:HD3	21	0.24
(2,545)	1:15:A:ILE:HG21	1:17:A:ARG:HD3	22	0.24
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	3	0.24
(2,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	6	0.24
(2,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	20	0.24
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG22	16	0.24
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	4	0.24
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	19	0.24
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	24	0.24
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	5	0.24
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	12	0.24
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	19	0.24
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG22	4	0.24
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG22	10	0.24
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG22	13	0.24
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG22	19	0.24
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG22	23	0.24
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	4	0.24
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	18	0.24
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	21	0.24
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG21	22	0.24
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	22	0.24
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	2	0.24
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	21	0.24
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	3	0.24
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB2	8	0.24
(2,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	11	0.24
(2,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG13	17	0.24
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	10	0.24
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	23	0.24
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	18	0.24
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	24	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	2	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	3	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	4	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	5	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	6	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	7	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	9	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	11	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	12	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	14	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	15	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	16	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	20	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	22	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	23	0.24
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	24	0.24
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	17	0.24
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	23	0.24
(2,458)	1:39:A:CYS:H	1:39:A:CYS:HA	7	0.24
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	3	0.24
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	17	0.24
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	19	0.24
(2,450)	1:9:A:THR:H	1:30:A:ILE:HA	6	0.24
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	11	0.24
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	13	0.24
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	12	0.24
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD12	21	0.24
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	5	0.24
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	23	0.24
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	15	0.24
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	18	0.24
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	3	0.24
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	6	0.24
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	5	0.24
(2,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	2	0.24
(2,403)	1:9:A:THR:HG23	1:28:A:LYS:HE2	18	0.24
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	8	0.24
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD13	13	0.24
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	17	0.24
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	4	0.24
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	22	0.24
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB2	13	0.24
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB3	15	0.24
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	4	0.24
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	10	0.24
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	12	0.24
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	14	0.24
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	8	0.24
(2,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	20	0.24
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	18	0.24
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	4	0.24
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	7	0.24
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	20	0.24
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	1	0.24
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	4	0.24
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD2	1	0.24
(2,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	20	0.24
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	10	0.24
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	18	0.24
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	4	0.24
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	13	0.24
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	14	0.24
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB2	23	0.24
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	10	0.24
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	8	0.24
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	9	0.24
(2,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	1	0.24
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	8	0.24
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	19	0.24
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	20	0.24
(2,262)	1:17:A:ARG:HA	1:17:A:ARG:HG2	8	0.24
(2,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB3	3	0.24
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	12	0.24
(2,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	22	0.24
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	2	0.24
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG12	8	0.24
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	11	0.24
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	14	0.24
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG12	17	0.24
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	19	0.24
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG12	20	0.24
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	23	0.24
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	1	0.24
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD11	22	0.24
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	21	0.24
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	2	0.24
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	15	0.24
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	5	0.24
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	6	0.24
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	9	0.24
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	3	0.24
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	17	0.24
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	22	0.24
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	2	0.24
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	17	0.24
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	21	0.24
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	22	0.24
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	13	0.24
(2,166)	1:13:A:SER:HA	1:13:A:SER:HB3	19	0.24
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB2	1	0.24
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB3	17	0.24
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG2	1	0.24
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG3	10	0.24
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG2	15	0.24
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	1	0.24
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	12	0.24
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	13	0.24
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	20	0.24
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	24	0.24
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	3	0.24
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	12	0.24
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	5	0.24
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	1	0.24
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	11	0.24
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	23	0.24
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	21	0.24
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	22	0.24
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	12	0.24
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	3	0.24
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	9	0.24
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	8	0.24
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	15	0.24
(2,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	5	0.24
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	2	0.24
(2,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG2	16	0.24
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	22	0.24
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	23	0.24
(2,113)	1:28:A:LYS:H	1:27:A:LYS:HA	2	0.24
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	8	0.24
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	11	0.24
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	8	0.24
(2,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD1	9	0.24
(2,70)	1:30:A:ILE:HD13	1:35:A:ASN:HB2	14	0.24
(2,69)	1:30:A:ILE:HD11	1:23:A:CYS:HB2	20	0.24
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	8	0.24
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	9	0.24
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	14	0.24
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	24	0.24
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	1	0.24
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	2	0.24
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	15	0.24
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	13	0.24
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG21	1	0.24
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG22	2	0.24
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG23	6	0.24
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG22	7	0.24
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG22	9	0.24
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG22	11	0.24
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG21	13	0.24
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG22	14	0.24
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG21	16	0.24
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG21	17	0.24
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG22	18	0.24
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG21	24	0.24
(2,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	5	0.24
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	3	0.24
(2,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	13	0.24
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	6	0.24
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB2	15	0.24
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	3	0.24
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	10	0.24
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	17	0.24
(2,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	8	0.24
(2,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	7	0.24
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	12	0.24
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	22	0.24
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	21	0.24
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	21	0.24
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	2	0.24
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	14	0.24
(1,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	2	0.24
(1,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	20	0.24
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	9	0.24
(1,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	14	0.24
(1,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	24	0.24
(1,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	7	0.24
(1,632)	1:29:A:VAL:HG11	1:5:A:ARG:HG2	10	0.24
(1,628)	1:9:A:THR:HG21	1:28:A:LYS:HD3	15	0.24
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG3	24	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	14	0.24
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	20	0.24
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	3	0.24
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	5	0.24
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	17	0.24
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	3	0.24
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	9	0.24
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	12	0.24
(1,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	2	0.24
(1,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	13	0.24
(1,545)	1:15:A:ILE:HG22	1:17:A:ARG:HD3	21	0.24
(1,545)	1:15:A:ILE:HG21	1:17:A:ARG:HD3	22	0.24
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	3	0.24
(1,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	6	0.24
(1,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	19	0.24
(1,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	20	0.24
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG22	16	0.24
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	4	0.24
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	19	0.24
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	24	0.24
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	5	0.24
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	12	0.24
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	19	0.24
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG22	4	0.24
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG22	10	0.24
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG22	13	0.24
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG22	19	0.24
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG22	23	0.24
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	4	0.24
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	18	0.24
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	21	0.24
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG21	22	0.24
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	22	0.24
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	2	0.24
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	21	0.24
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	3	0.24
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB2	8	0.24
(1,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	11	0.24
(1,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG13	17	0.24
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	10	0.24
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	23	0.24
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	24	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	2	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	3	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	4	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	5	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	6	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	7	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	9	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	11	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	12	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	14	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	15	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	16	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	20	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	22	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	23	0.24
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	24	0.24
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	17	0.24
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	23	0.24
(1,458)	1:39:A:CYS:H	1:39:A:CYS:HA	7	0.24
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	3	0.24
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	17	0.24
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	19	0.24
(1,450)	1:9:A:THR:H	1:30:A:ILE:HA	6	0.24
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	11	0.24
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	13	0.24
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	12	0.24
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD12	21	0.24
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	5	0.24
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	23	0.24
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	15	0.24
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	18	0.24
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	3	0.24
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	6	0.24
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	5	0.24
(1,410)	1:30:A:ILE:HA	1:34:A:HIS:HB2	2	0.24
(1,403)	1:9:A:THR:HG23	1:28:A:LYS:HE2	18	0.24
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	8	0.24
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD13	13	0.24
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	17	0.24
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	4	0.24
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	22	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB2	13	0.24
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB3	15	0.24
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	4	0.24
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	10	0.24
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	12	0.24
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	14	0.24
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	8	0.24
(1,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	20	0.24
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	18	0.24
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	4	0.24
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	7	0.24
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	20	0.24
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	1	0.24
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	4	0.24
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	14	0.24
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD2	1	0.24
(1,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	20	0.24
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	10	0.24
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	18	0.24
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	4	0.24
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	13	0.24
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	14	0.24
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB2	23	0.24
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	10	0.24
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	8	0.24
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	9	0.24
(1,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	1	0.24
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	8	0.24
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	19	0.24
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	20	0.24
(1,262)	1:17:A:ARG:HA	1:17:A:ARG:HG2	8	0.24
(1,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB3	3	0.24
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	12	0.24
(1,249)	1:15:A:ILE:H	1:14:A:LYS:HB2	22	0.24
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	2	0.24
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG12	8	0.24
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	11	0.24
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	14	0.24
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG12	17	0.24
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	19	0.24
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG12	20	0.24
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	23	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	1	0.24
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD11	22	0.24
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	21	0.24
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	2	0.24
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	15	0.24
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	5	0.24
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	6	0.24
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	9	0.24
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	3	0.24
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	17	0.24
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	22	0.24
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	2	0.24
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	17	0.24
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	21	0.24
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	5	0.24
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	22	0.24
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	13	0.24
(1,166)	1:13:A:SER:HA	1:13:A:SER:HB3	19	0.24
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB2	1	0.24
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB3	17	0.24
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG2	1	0.24
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG3	10	0.24
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG2	15	0.24
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	1	0.24
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	12	0.24
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	13	0.24
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	20	0.24
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	24	0.24
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	3	0.24
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	12	0.24
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	5	0.24
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	1	0.24
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	11	0.24
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	23	0.24
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	21	0.24
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	22	0.24
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	12	0.24
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	3	0.24
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	9	0.24
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	8	0.24
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	15	0.24
(1,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	2	0.24
(1,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG2	16	0.24
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	22	0.24
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	23	0.24
(1,113)	1:28:A:LYS:H	1:27:A:LYS:HA	2	0.24
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	8	0.24
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	11	0.24
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	8	0.24
(1,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD1	9	0.24
(1,70)	1:30:A:ILE:HD13	1:35:A:ASN:HB2	14	0.24
(1,69)	1:30:A:ILE:HD11	1:23:A:CYS:HB2	20	0.24
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	8	0.24
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	9	0.24
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	14	0.24
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	15	0.24
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	24	0.24
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	1	0.24
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	2	0.24
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	15	0.24
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	13	0.24
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG21	1	0.24
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG22	2	0.24
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG23	6	0.24
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG22	7	0.24
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG22	9	0.24
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG22	11	0.24
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG21	13	0.24
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG22	14	0.24
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG21	16	0.24
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG21	17	0.24
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG22	18	0.24
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG21	24	0.24
(1,42)	1:34:A:HIS:HE1	1:12:A:PRO:HD3	5	0.24
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	3	0.24
(1,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	13	0.24
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	6	0.24
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB2	15	0.24
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	3	0.24
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	10	0.24
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	17	0.24
(1,21)	1:39:A:CYS:H	1:39:A:CYS:HB3	8	0.24
(1,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	12	0.24
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	22	0.24
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	21	0.24
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	21	0.24
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	2	0.24
(3,94)	1:25:A:LYS:H	1:26:A:CYS:H	12	0.23
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG12	7	0.23
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG12	13	0.23
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG12	15	0.23
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG12	19	0.23
(3,75)	1:25:A:LYS:HG2	1:25:A:LYS:HE2	2	0.23
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	19	0.23
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB2	3	0.23
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	11	0.23
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB3	19	0.23
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB3	23	0.23
(3,10)	1:36:A:ILE:HG22	1:36:A:ILE:HG12	12	0.23
(3,9)	1:36:A:ILE:HD12	1:36:A:ILE:HG12	2	0.23
(3,9)	1:36:A:ILE:HD12	1:36:A:ILE:HG12	4	0.23
(3,9)	1:36:A:ILE:HD13	1:36:A:ILE:HG12	8	0.23
(3,9)	1:36:A:ILE:HD11	1:36:A:ILE:HG13	13	0.23
(3,9)	1:36:A:ILE:HD11	1:36:A:ILE:HG13	14	0.23
(3,8)	1:36:A:ILE:HG23	1:36:A:ILE:HD12	2	0.23
(3,8)	1:36:A:ILE:HG21	1:36:A:ILE:HD12	4	0.23
(3,8)	1:36:A:ILE:HG22	1:36:A:ILE:HD13	17	0.23
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD1	12	0.23
(3,3)	1:43:A:PHE:HB2	1:43:A:PHE:HD2	1	0.23
(3,3)	1:43:A:PHE:HB3	1:43:A:PHE:HD2	4	0.23
(3,3)	1:43:A:PHE:HB2	1:43:A:PHE:HD1	7	0.23
(3,3)	1:43:A:PHE:HB2	1:43:A:PHE:HD2	23	0.23
(2,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	9	0.23
(2,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	9	0.23
(2,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	16	0.23
(2,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	1	0.23
(2,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	6	0.23
(2,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	7	0.23
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	10	0.23
(2,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD2	16	0.23
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	18	0.23
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	19	0.23
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	23	0.23
(2,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,636)	1:24:A:LYS:HB3	1:24:A:LYS:HD2	15	0.23
(2,636)	1:24:A:LYS:HB3	1:24:A:LYS:HD2	19	0.23
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	15	0.23
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG22	23	0.23
(2,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE3	19	0.23
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	15	0.23
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	23	0.23
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	3	0.23
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	4	0.23
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	7	0.23
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	20	0.23
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG2	11	0.23
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	14	0.23
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	11	0.23
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	13	0.23
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	14	0.23
(2,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	7	0.23
(2,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	16	0.23
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	3	0.23
(2,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	3	0.23
(2,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	1	0.23
(2,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	15	0.23
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG23	4	0.23
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG23	5	0.23
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG22	9	0.23
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG22	21	0.23
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG23	22	0.23
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	12	0.23
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	19	0.23
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	3	0.23
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	15	0.23
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG21	9	0.23
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	8	0.23
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	17	0.23
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	23	0.23
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	3	0.23
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	4	0.23
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	5	0.23
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	10	0.23
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	10	0.23
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	19	0.23
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG22	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG22	12	0.23
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	21	0.23
(2,488)	1:40:A:GLN:H	1:41:A:SER:H	16	0.23
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	15	0.23
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB2	15	0.23
(2,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	4	0.23
(2,475)	1:21:A:ALA:HB1	1:30:A:ILE:HG13	18	0.23
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	4	0.23
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	24	0.23
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	19	0.23
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	16	0.23
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	18	0.23
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	1	0.23
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	13	0.23
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	17	0.23
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	18	0.23
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	19	0.23
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	21	0.23
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	16	0.23
(2,454)	1:41:A:SER:H	1:39:A:CYS:HA	18	0.23
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	1	0.23
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	4	0.23
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	6	0.23
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	11	0.23
(2,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	5	0.23
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	10	0.23
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	4	0.23
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	2	0.23
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB3	7	0.23
(2,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	14	0.23
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	19	0.23
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	9	0.23
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	4	0.23
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD11	5	0.23
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	11	0.23
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	19	0.23
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	21	0.23
(2,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	6	0.23
(2,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	14	0.23
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB3	2	0.23
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	7	0.23
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	17	0.23
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	19	0.23
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	20	0.23
(2,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	2	0.23
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	2	0.23
(2,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	12	0.23
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	13	0.23
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	3	0.23
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	8	0.23
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	1	0.23
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	10	0.23
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	16	0.23
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	18	0.23
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	15	0.23
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	21	0.23
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	15	0.23
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD11	18	0.23
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD2	6	0.23
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	7	0.23
(2,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	10	0.23
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	24	0.23
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	3	0.23
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	9	0.23
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	14	0.23
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	15	0.23
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	20	0.23
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	22	0.23
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	1	0.23
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	3	0.23
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	19	0.23
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	21	0.23
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG21	8	0.23
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	18	0.23
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	15	0.23
(2,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	4	0.23
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	11	0.23
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	17	0.23
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	23	0.23
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	14	0.23
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	20	0.23
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	6	0.23
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	16	0.23
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	18	0.23
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	21	0.23
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG21	19	0.23
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG22	23	0.23
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB2	24	0.23
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	3	0.23
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	5	0.23
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	6	0.23
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	13	0.23
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	20	0.23
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG21	8	0.23
(2,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	13	0.23
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	5	0.23
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	9	0.23
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	10	0.23
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG2	23	0.23
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	8	0.23
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB2	6	0.23
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	20	0.23
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	2	0.23
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	4	0.23
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	10	0.23
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	14	0.23
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	9	0.23
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	10	0.23
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	11	0.23
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	12	0.23
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	21	0.23
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	21	0.23
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB3	11	0.23
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG2	2	0.23
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG3	11	0.23
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG3	17	0.23
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	10	0.23
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	17	0.23
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	18	0.23
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	21	0.23
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	22	0.23
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	8	0.23
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	9	0.23
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	7	0.23
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	17	0.23
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	3	0.23
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	15	0.23
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	17	0.23
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	21	0.23
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	5	0.23
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB2	11	0.23
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	16	0.23
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	17	0.23
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	17	0.23
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	23	0.23
(2,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	20	0.23
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	9	0.23
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	7	0.23
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	5	0.23
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	21	0.23
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	1	0.23
(2,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG2	2	0.23
(2,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG3	3	0.23
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	21	0.23
(2,113)	1:28:A:LYS:H	1:27:A:LYS:HA	23	0.23
(2,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	10	0.23
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	11	0.23
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	23	0.23
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	7	0.23
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	14	0.23
(2,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	24	0.23
(2,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD1	10	0.23
(2,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD2	12	0.23
(2,69)	1:30:A:ILE:HD11	1:23:A:CYS:HB2	18	0.23
(2,69)	1:30:A:ILE:HD11	1:23:A:CYS:HB2	24	0.23
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	3	0.23
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	4	0.23
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	7	0.23
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	10	0.23
(2,66)	1:22:A:SER:H	1:21:A:ALA:HA	8	0.23
(2,65)	1:22:A:SER:H	1:21:A:ALA:HB2	14	0.23
(2,65)	1:22:A:SER:H	1:21:A:ALA:HB1	15	0.23
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	4	0.23
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	5	0.23
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	23	0.23
(2,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	7	0.23
(2,55)	1:10:A:TYR:HB2	1:10:A:TYR:HD2	18	0.23
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG21	4	0.23
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG23	5	0.23
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG23	10	0.23
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG21	15	0.23
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG23	19	0.23
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG22	20	0.23
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG23	21	0.23
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG23	22	0.23
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG23	23	0.23
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	7	0.23
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	7	0.23
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	10	0.23
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	11	0.23
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB2	23	0.23
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	14	0.23
(1,645)	1:4:A:LYS:HB3	1:4:A:LYS:HG2	9	0.23
(1,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	9	0.23
(1,644)	1:4:A:LYS:HG3	1:4:A:LYS:HD2	16	0.23
(1,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	1	0.23
(1,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	6	0.23
(1,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	7	0.23
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	10	0.23
(1,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD2	16	0.23
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	18	0.23
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	19	0.23
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	23	0.23
(1,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	1	0.23
(1,636)	1:24:A:LYS:HB3	1:24:A:LYS:HD2	15	0.23
(1,636)	1:24:A:LYS:HB3	1:24:A:LYS:HD2	19	0.23
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	15	0.23
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG22	23	0.23
(1,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE3	19	0.23
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	15	0.23
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	23	0.23
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	3	0.23
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	4	0.23
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	7	0.23
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD2	20	0.23
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG2	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	14	0.23
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	11	0.23
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	13	0.23
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	14	0.23
(1,546)	1:30:A:ILE:HG22	1:10:A:TYR:HB2	7	0.23
(1,546)	1:30:A:ILE:HG21	1:10:A:TYR:HB2	16	0.23
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	3	0.23
(1,532)	1:5:A:ARG:H	1:4:A:LYS:HG2	3	0.23
(1,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	1	0.23
(1,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	15	0.23
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG23	4	0.23
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG23	5	0.23
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG22	9	0.23
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG22	21	0.23
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG23	22	0.23
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG3	12	0.23
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	19	0.23
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	3	0.23
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	15	0.23
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG21	9	0.23
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	8	0.23
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	17	0.23
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	23	0.23
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	3	0.23
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	4	0.23
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	5	0.23
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	10	0.23
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	10	0.23
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	19	0.23
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG22	8	0.23
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG22	12	0.23
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	21	0.23
(1,488)	1:40:A:GLN:H	1:41:A:SER:H	16	0.23
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	15	0.23
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB2	15	0.23
(1,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	4	0.23
(1,475)	1:21:A:ALA:HB1	1:30:A:ILE:HG13	18	0.23
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	4	0.23
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	24	0.23
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	19	0.23
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	16	0.23
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	1	0.23
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	13	0.23
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	17	0.23
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	18	0.23
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	19	0.23
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB3	21	0.23
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	16	0.23
(1,454)	1:41:A:SER:H	1:39:A:CYS:HA	18	0.23
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	1	0.23
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	4	0.23
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	6	0.23
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	11	0.23
(1,439)	1:35:A:ASN:H	1:30:A:ILE:HD13	5	0.23
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	10	0.23
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	4	0.23
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	2	0.23
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB3	7	0.23
(1,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	14	0.23
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	19	0.23
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	9	0.23
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	4	0.23
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD11	5	0.23
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	11	0.23
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	19	0.23
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	21	0.23
(1,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	6	0.23
(1,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	14	0.23
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB3	2	0.23
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	7	0.23
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	13	0.23
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	17	0.23
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	19	0.23
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	20	0.23
(1,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	2	0.23
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	2	0.23
(1,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	12	0.23
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	13	0.23
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	3	0.23
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	8	0.23
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	1	0.23
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	10	0.23
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	18	0.23
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	15	0.23
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	21	0.23
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	15	0.23
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD11	18	0.23
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD2	6	0.23
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	7	0.23
(1,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	10	0.23
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	24	0.23
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	3	0.23
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	9	0.23
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	14	0.23
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	15	0.23
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	20	0.23
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	22	0.23
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	1	0.23
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	3	0.23
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	19	0.23
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	21	0.23
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG21	8	0.23
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	18	0.23
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	15	0.23
(1,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	4	0.23
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	11	0.23
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG3	17	0.23
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	23	0.23
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	14	0.23
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	20	0.23
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	6	0.23
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	9	0.23
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	16	0.23
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	18	0.23
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	21	0.23
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG21	19	0.23
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG22	23	0.23
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB2	24	0.23
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	3	0.23
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	5	0.23
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	6	0.23
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	13	0.23
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	20	0.23
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG21	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	13	0.23
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	5	0.23
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	9	0.23
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	10	0.23
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG2	23	0.23
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	8	0.23
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB2	6	0.23
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	20	0.23
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	2	0.23
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	4	0.23
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	10	0.23
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	14	0.23
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	9	0.23
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	10	0.23
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	11	0.23
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	12	0.23
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	21	0.23
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	21	0.23
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB3	11	0.23
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG2	2	0.23
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG3	11	0.23
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG3	17	0.23
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	10	0.23
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	17	0.23
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	18	0.23
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	21	0.23
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	22	0.23
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	8	0.23
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	9	0.23
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	17	0.23
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	7	0.23
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	17	0.23
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	3	0.23
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	15	0.23
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	17	0.23
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	21	0.23
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	5	0.23
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB2	11	0.23
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	16	0.23
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	17	0.23
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	17	0.23
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	23	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,122)	1:33:A:GLU:HB3	1:33:A:GLU:HG2	20	0.23
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	9	0.23
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	7	0.23
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	5	0.23
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	21	0.23
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	1	0.23
(1,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG2	2	0.23
(1,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG3	3	0.23
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	21	0.23
(1,113)	1:28:A:LYS:H	1:27:A:LYS:HA	23	0.23
(1,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	10	0.23
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	11	0.23
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	23	0.23
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	7	0.23
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	14	0.23
(1,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	24	0.23
(1,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD1	10	0.23
(1,78)	1:18:A:LYS:HD3	1:7:A:TYR:HD2	12	0.23
(1,69)	1:30:A:ILE:HD11	1:23:A:CYS:HB2	18	0.23
(1,69)	1:30:A:ILE:HD11	1:23:A:CYS:HB2	24	0.23
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	3	0.23
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	4	0.23
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	7	0.23
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	10	0.23
(1,66)	1:22:A:SER:H	1:21:A:ALA:HA	8	0.23
(1,65)	1:22:A:SER:H	1:21:A:ALA:HB2	14	0.23
(1,65)	1:22:A:SER:H	1:21:A:ALA:HB1	15	0.23
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	4	0.23
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	5	0.23
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	19	0.23
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	23	0.23
(1,56)	1:10:A:TYR:HA	1:10:A:TYR:HD1	7	0.23
(1,55)	1:10:A:TYR:HB2	1:10:A:TYR:HD2	18	0.23
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG21	4	0.23
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG23	5	0.23
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG23	10	0.23
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG21	15	0.23
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG23	19	0.23
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG22	20	0.23
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG23	21	0.23
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG23	22	0.23
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG23	23	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	7	0.23
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB1	7	0.23
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	10	0.23
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	11	0.23
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB2	23	0.23
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	14	0.23
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE2	11	0.22
(3,79)	1:36:A:ILE:HB	1:36:A:ILE:HG13	16	0.22
(3,76)	1:25:A:LYS:HB2	1:25:A:LYS:HD3	13	0.22
(3,69)	1:36:A:ILE:H	1:38:A:MET:H	4	0.22
(3,66)	1:25:A:LYS:HB2	1:43:A:PHE:HD2	11	0.22
(3,63)	1:38:A:MET:H	1:36:A:ILE:HB	4	0.22
(3,56)	1:42:A:CYS:HB3	1:43:A:PHE:HD2	1	0.22
(3,56)	1:42:A:CYS:HB3	1:43:A:PHE:HD2	19	0.22
(3,52)	1:43:A:PHE:H	1:42:A:CYS:HA	10	0.22
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	8	0.22
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	23	0.22
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB2	13	0.22
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG23	7	0.22
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	4	0.22
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	22	0.22
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG23	7	0.22
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG22	9	0.22
(3,10)	1:36:A:ILE:HG23	1:36:A:ILE:HG13	1	0.22
(3,10)	1:36:A:ILE:HG23	1:36:A:ILE:HG12	8	0.22
(3,9)	1:36:A:ILE:HD13	1:36:A:ILE:HG12	3	0.22
(3,9)	1:36:A:ILE:HD13	1:36:A:ILE:HG13	6	0.22
(3,9)	1:36:A:ILE:HD11	1:36:A:ILE:HG12	9	0.22
(3,9)	1:36:A:ILE:HD13	1:36:A:ILE:HG12	10	0.22
(3,9)	1:36:A:ILE:HD11	1:36:A:ILE:HG12	11	0.22
(3,9)	1:36:A:ILE:HD13	1:36:A:ILE:HG12	12	0.22
(3,9)	1:36:A:ILE:HD12	1:36:A:ILE:HG12	15	0.22
(3,9)	1:36:A:ILE:HD13	1:36:A:ILE:HG13	16	0.22
(3,9)	1:36:A:ILE:HD11	1:36:A:ILE:HG13	17	0.22
(3,9)	1:36:A:ILE:HD13	1:36:A:ILE:HG13	18	0.22
(3,9)	1:36:A:ILE:HD11	1:36:A:ILE:HG12	19	0.22
(3,9)	1:36:A:ILE:HD13	1:36:A:ILE:HG12	20	0.22
(3,9)	1:36:A:ILE:HD11	1:36:A:ILE:HG12	22	0.22
(3,9)	1:36:A:ILE:HD12	1:36:A:ILE:HG12	24	0.22
(3,8)	1:36:A:ILE:HG23	1:36:A:ILE:HD13	20	0.22
(3,3)	1:43:A:PHE:HB3	1:43:A:PHE:HD1	16	0.22
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	8	0.22
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	21	0.22
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	12	0.22
(2,628)	1:9:A:THR:HG23	1:28:A:LYS:HD3	18	0.22
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE3	3	0.22
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	6	0.22
(2,619)	1:29:A:VAL:HG22	1:5:A:ARG:HD2	12	0.22
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	6	0.22
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	21	0.22
(2,614)	1:24:A:LYS:HA	1:24:A:LYS:HB2	9	0.22
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD2	17	0.22
(2,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	5	0.22
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	7	0.22
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	10	0.22
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	15	0.22
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	19	0.22
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	23	0.22
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	17	0.22
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	11	0.22
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	12	0.22
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG11	7	0.22
(2,577)	1:16:A:ARG:HB2	1:7:A:TYR:HD2	11	0.22
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	4	0.22
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	20	0.22
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	20	0.22
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	4	0.22
(2,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	5	0.22
(2,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	12	0.22
(2,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	22	0.22
(2,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	13	0.22
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	6	0.22
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	16	0.22
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	17	0.22
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	20	0.22
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	16	0.22
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG21	7	0.22
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG22	16	0.22
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG23	18	0.22
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD11	4	0.22
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	18	0.22
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	22	0.22
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	18	0.22
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	24	0.22
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	22	0.22
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	17	0.22
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	18	0.22
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	19	0.22
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG11	23	0.22
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	23	0.22
(2,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	15	0.22
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	20	0.22
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	5	0.22
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG21	8	0.22
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	11	0.22
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	13	0.22
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD1	8	0.22
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	24	0.22
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	2	0.22
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD1	19	0.22
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	9	0.22
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	20	0.22
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	24	0.22
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	8	0.22
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE2	5	0.22
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD12	17	0.22
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD12	22	0.22
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	11	0.22
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	19	0.22
(2,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	13	0.22
(2,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	15	0.22
(2,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	16	0.22
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB2	11	0.22
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB2	16	0.22
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	11	0.22
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	22	0.22
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	23	0.22
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	23	0.22
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	24	0.22
(2,356)	1:19:A:ALA:HB2	1:8:A:CYS:HB2	17	0.22
(2,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	11	0.22
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	23	0.22
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	7	0.22
(2,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	10	0.22
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	9	0.22
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	11	0.22
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	22	0.22
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	23	0.22
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	17	0.22
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	18	0.22
(2,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	3	0.22
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	9	0.22
(2,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD2	18	0.22
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	10	0.22
(2,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	15	0.22
(2,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	2	0.22
(2,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB3	23	0.22
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	20	0.22
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	4	0.22
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	15	0.22
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	11	0.22
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	17	0.22
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	10	0.22
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	8	0.22
(2,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	1	0.22
(2,278)	1:29:A:VAL:HG12	1:5:A:ARG:HB3	3	0.22
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	2	0.22
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	20	0.22
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	11	0.22
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	21	0.22
(2,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	3	0.22
(2,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	4	0.22
(2,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	19	0.22
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	6	0.22
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	23	0.22
(2,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB2	16	0.22
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	15	0.22
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	20	0.22
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	6	0.22
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	1	0.22
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	3	0.22
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	5	0.22
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG12	13	0.22
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	15	0.22
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	22	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	24	0.22
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	6	0.22
(2,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	22	0.22
(2,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB2	11	0.22
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG21	13	0.22
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	6	0.22
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	16	0.22
(2,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG12	10	0.22
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	16	0.22
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	18	0.22
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG2	6	0.22
(2,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	11	0.22
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	12	0.22
(2,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE2	4	0.22
(2,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE2	5	0.22
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	9	0.22
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	14	0.22
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	20	0.22
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	23	0.22
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	24	0.22
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	7	0.22
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	16	0.22
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	24	0.22
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	13	0.22
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	21	0.22
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	1	0.22
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	6	0.22
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	7	0.22
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	18	0.22
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	23	0.22
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	10	0.22
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB3	5	0.22
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG3	12	0.22
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG2	24	0.22
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	3	0.22
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	4	0.22
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	5	0.22
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	19	0.22
(2,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	9	0.22
(2,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	13	0.22
(2,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	24	0.22
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	9	0.22
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	12	0.22
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	13	0.22
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	8	0.22
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	9	0.22
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	10	0.22
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	2	0.22
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB3	17	0.22
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB3	22	0.22
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	5	0.22
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	12	0.22
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	19	0.22
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	18	0.22
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	21	0.22
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	3	0.22
(2,131)	1:32:A:ARG:H	1:33:A:GLU:H	4	0.22
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	19	0.22
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	5	0.22
(2,127)	1:38:A:MET:H	1:38:A:MET:HB2	19	0.22
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	4	0.22
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	4	0.22
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	23	0.22
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	22	0.22
(2,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG2	7	0.22
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	11	0.22
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	13	0.22
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	4	0.22
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	10	0.22
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	22	0.22
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	21	0.22
(2,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	8	0.22
(2,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	22	0.22
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	16	0.22
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	24	0.22
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	3	0.22
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	18	0.22
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	22	0.22
(2,75)	1:30:A:ILE:HG21	1:10:A:TYR:HD1	17	0.22
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	1	0.22
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	2	0.22
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	6	0.22
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	21	0.22
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	22	0.22
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	3	0.22
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	8	0.22
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	18	0.22
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	20	0.22
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	21	0.22
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG21	3	0.22
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG21	12	0.22
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	10	0.22
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	19	0.22
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	20	0.22
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	22	0.22
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	23	0.22
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	1	0.22
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	6	0.22
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	7	0.22
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	17	0.22
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB3	19	0.22
(2,14)	1:41:A:SER:H	1:41:A:SER:HB2	7	0.22
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	7	0.22
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	15	0.22
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	17	0.22
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	16	0.22
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	1	0.22
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	4	0.22
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	8	0.22
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	10	0.22
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	20	0.22
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	24	0.22
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	4	0.22
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	8	0.22
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	21	0.22
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	12	0.22
(1,628)	1:9:A:THR:HG23	1:28:A:LYS:HD3	18	0.22
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE3	3	0.22
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	6	0.22
(1,619)	1:29:A:VAL:HG22	1:5:A:ARG:HD2	12	0.22
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	6	0.22
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	21	0.22
(1,614)	1:24:A:LYS:HA	1:24:A:LYS:HB2	9	0.22
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD2	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:5:A:ARG:HA	1:5:A:ARG:HD3	5	0.22
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	7	0.22
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	10	0.22
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	15	0.22
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD3	19	0.22
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	23	0.22
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	17	0.22
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	11	0.22
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG2	12	0.22
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG11	7	0.22
(1,577)	1:16:A:ARG:HB2	1:7:A:TYR:HD2	11	0.22
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	4	0.22
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	20	0.22
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	20	0.22
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	4	0.22
(1,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	5	0.22
(1,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	12	0.22
(1,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	22	0.22
(1,515)	1:33:A:GLU:HA	1:33:A:GLU:HG2	13	0.22
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	6	0.22
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	16	0.22
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	17	0.22
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	20	0.22
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	16	0.22
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG21	7	0.22
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG22	16	0.22
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG23	18	0.22
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD11	4	0.22
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	18	0.22
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	22	0.22
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	2	0.22
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	18	0.22
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	24	0.22
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	22	0.22
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	17	0.22
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	18	0.22
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	19	0.22
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG11	23	0.22
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	23	0.22
(1,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	15	0.22
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	20	0.22
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG21	8	0.22
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	11	0.22
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	13	0.22
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD1	8	0.22
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	24	0.22
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	2	0.22
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD1	19	0.22
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	9	0.22
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	20	0.22
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	24	0.22
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	8	0.22
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE2	5	0.22
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD12	17	0.22
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD12	22	0.22
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	11	0.22
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	19	0.22
(1,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	13	0.22
(1,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	15	0.22
(1,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	16	0.22
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB2	11	0.22
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB2	16	0.22
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	11	0.22
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	22	0.22
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	23	0.22
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	23	0.22
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	24	0.22
(1,356)	1:19:A:ALA:HB2	1:8:A:CYS:HB2	17	0.22
(1,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	11	0.22
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	23	0.22
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	7	0.22
(1,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	15	0.22
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	10	0.22
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	9	0.22
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	11	0.22
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	22	0.22
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	23	0.22
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	17	0.22
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	18	0.22
(1,335)	1:27:A:LYS:HA	1:27:A:LYS:HD2	3	0.22
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	9	0.22
(1,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD2	18	0.22
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB2	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	15	0.22
(1,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	2	0.22
(1,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB3	23	0.22
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	20	0.22
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	4	0.22
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	15	0.22
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	11	0.22
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	17	0.22
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	10	0.22
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	8	0.22
(1,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	1	0.22
(1,278)	1:29:A:VAL:HG12	1:5:A:ARG:HB3	3	0.22
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	2	0.22
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	20	0.22
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	11	0.22
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	21	0.22
(1,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	3	0.22
(1,267)	1:16:A:ARG:HB3	1:16:A:ARG:HG2	4	0.22
(1,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	19	0.22
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	6	0.22
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	23	0.22
(1,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB2	16	0.22
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	15	0.22
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	20	0.22
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	6	0.22
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	1	0.22
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	3	0.22
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	5	0.22
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG12	13	0.22
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	15	0.22
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	22	0.22
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	24	0.22
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB1	6	0.22
(1,243)	1:8:A:CYS:HA	1:19:A:ALA:HB3	22	0.22
(1,241)	1:21:A:ALA:HB1	1:37:A:ASP:HB2	11	0.22
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG21	13	0.22
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	6	0.22
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	16	0.22
(1,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG12	10	0.22
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	16	0.22
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	18	0.22
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG2	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:15:A:ILE:HG22	1:12:A:PRO:HD2	11	0.22
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	12	0.22
(1,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE2	4	0.22
(1,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE2	5	0.22
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	9	0.22
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	14	0.22
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	20	0.22
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	23	0.22
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	24	0.22
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	7	0.22
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	16	0.22
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	24	0.22
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	13	0.22
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	21	0.22
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	1	0.22
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	6	0.22
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	7	0.22
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	18	0.22
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	23	0.22
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	10	0.22
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB3	5	0.22
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG3	12	0.22
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG2	24	0.22
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	3	0.22
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	4	0.22
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	5	0.22
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	19	0.22
(1,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	9	0.22
(1,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	13	0.22
(1,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	24	0.22
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	6	0.22
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	9	0.22
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	12	0.22
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	13	0.22
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	8	0.22
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	9	0.22
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	10	0.22
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	2	0.22
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB3	17	0.22
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB3	22	0.22
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	5	0.22
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	19	0.22
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	18	0.22
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	21	0.22
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	3	0.22
(1,131)	1:32:A:ARG:H	1:33:A:GLU:H	4	0.22
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	19	0.22
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	5	0.22
(1,127)	1:38:A:MET:H	1:38:A:MET:HB2	19	0.22
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	4	0.22
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	4	0.22
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	23	0.22
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	22	0.22
(1,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG2	7	0.22
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	11	0.22
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	13	0.22
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	4	0.22
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	10	0.22
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	22	0.22
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	21	0.22
(1,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	8	0.22
(1,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	22	0.22
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	16	0.22
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	24	0.22
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	3	0.22
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	18	0.22
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	22	0.22
(1,75)	1:30:A:ILE:HG21	1:10:A:TYR:HD1	17	0.22
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	1	0.22
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	2	0.22
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	6	0.22
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	11	0.22
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	21	0.22
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	22	0.22
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	3	0.22
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	8	0.22
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	18	0.22
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	20	0.22
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	21	0.22
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG21	3	0.22
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG21	12	0.22
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	10	0.22
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	20	0.22
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	22	0.22
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	23	0.22
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	1	0.22
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	6	0.22
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	7	0.22
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	17	0.22
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB3	19	0.22
(1,14)	1:41:A:SER:H	1:41:A:SER:HB2	7	0.22
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	7	0.22
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	15	0.22
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	17	0.22
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	16	0.22
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	1	0.22
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	4	0.22
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	8	0.22
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	10	0.22
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	20	0.22
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	24	0.22
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	17	0.21
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	8	0.21
(3,50)	1:36:A:ILE:HA	1:36:A:ILE:HD11	13	0.21
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	23	0.21
(3,34)	1:25:A:LYS:H	1:25:A:LYS:HG3	20	0.21
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	3	0.21
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	18	0.21
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	1	0.21
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	23	0.21
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG13	24	0.21
(3,10)	1:36:A:ILE:HG23	1:36:A:ILE:HG12	2	0.21
(3,10)	1:36:A:ILE:HG22	1:36:A:ILE:HG13	21	0.21
(3,9)	1:36:A:ILE:HD11	1:36:A:ILE:HG13	1	0.21
(3,9)	1:36:A:ILE:HD12	1:36:A:ILE:HG13	5	0.21
(3,9)	1:36:A:ILE:HD11	1:36:A:ILE:HG12	7	0.21
(3,9)	1:36:A:ILE:HD11	1:36:A:ILE:HG13	21	0.21
(3,9)	1:36:A:ILE:HD13	1:36:A:ILE:HG12	23	0.21
(3,8)	1:36:A:ILE:HG21	1:36:A:ILE:HD12	24	0.21
(3,5)	1:25:A:LYS:HA	1:25:A:LYS:HG2	22	0.21
(3,3)	1:43:A:PHE:HB3	1:43:A:PHE:HD2	8	0.21
(3,3)	1:43:A:PHE:HB3	1:43:A:PHE:HD2	18	0.21
(3,3)	1:43:A:PHE:HB2	1:43:A:PHE:HD2	19	0.21
(3,3)	1:43:A:PHE:HB3	1:43:A:PHE:HD2	22	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	11	0.21
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	17	0.21
(2,640)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	5	0.21
(2,636)	1:24:A:LYS:HB3	1:24:A:LYS:HD2	22	0.21
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	11	0.21
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	21	0.21
(2,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE1	8	0.21
(2,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE3	17	0.21
(2,614)	1:24:A:LYS:HA	1:24:A:LYS:HB2	8	0.21
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	6	0.21
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	21	0.21
(2,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	7	0.21
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	18	0.21
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	16	0.21
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	11	0.21
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG21	1	0.21
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG21	3	0.21
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG12	4	0.21
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG22	12	0.21
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG22	13	0.21
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG21	18	0.21
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG22	20	0.21
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG11	24	0.21
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	13	0.21
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	23	0.21
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	13	0.21
(2,535)	1:21:A:ALA:H	1:30:A:ILE:H	21	0.21
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	9	0.21
(2,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD13	2	0.21
(2,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD12	7	0.21
(2,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	2	0.21
(2,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	10	0.21
(2,517)	1:12:A:PRO:HB2	1:12:A:PRO:HG2	19	0.21
(2,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	23	0.21
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	14	0.21
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	15	0.21
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	1	0.21
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	6	0.21
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	8	0.21
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	10	0.21
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG21	21	0.21
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG22	24	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG23	8	0.21
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	12	0.21
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG23	22	0.21
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	8	0.21
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	20	0.21
(2,497)	1:16:A:ARG:H	1:14:A:LYS:HA	23	0.21
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	10	0.21
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	22	0.21
(2,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG12	10	0.21
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	5	0.21
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	15	0.21
(2,450)	1:9:A:THR:H	1:30:A:ILE:HA	1	0.21
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	7	0.21
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	19	0.21
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	1	0.21
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	22	0.21
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	19	0.21
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD1	4	0.21
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	1	0.21
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	16	0.21
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	22	0.21
(2,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	12	0.21
(2,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	16	0.21
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB2	12	0.21
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	14	0.21
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	22	0.21
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	23	0.21
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG21	10	0.21
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD11	24	0.21
(2,385)	1:29:A:VAL:H	1:9:A:THR:HB	19	0.21
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	2	0.21
(2,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	1	0.21
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	3	0.21
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	15	0.21
(2,365)	1:30:A:ILE:HD12	1:39:A:CYS:HB3	22	0.21
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	17	0.21
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	6	0.21
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	19	0.21
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	5	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	2	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	3	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	5	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	8	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	9	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	14	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	15	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	16	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	17	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	18	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	19	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	20	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	21	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	22	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	23	0.21
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	24	0.21
(2,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	14	0.21
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	7	0.21
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	12	0.21
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	16	0.21
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	5	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	2	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	3	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	4	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	5	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	7	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	8	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	9	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	10	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	11	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	13	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	14	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	16	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	18	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	19	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	21	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	22	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	23	0.21
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	24	0.21
(2,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD2	14	0.21
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD11	13	0.21
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	6	0.21
(2,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	17	0.21
(2,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,315)	1:15:A:ILE:HG23	1:11:A:CYS:HB3	24	0.21
(2,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	13	0.21
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	16	0.21
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	24	0.21
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	18	0.21
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	23	0.21
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	9	0.21
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	18	0.21
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	12	0.21
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	2	0.21
(2,262)	1:17:A:ARG:HA	1:17:A:ARG:HG2	20	0.21
(2,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB2	7	0.21
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB3	15	0.21
(2,257)	1:4:A:LYS:H	1:3:A:LYS:HA	21	0.21
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	2	0.21
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	7	0.21
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	4	0.21
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	12	0.21
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	10	0.21
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	10	0.21
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	15	0.21
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	20	0.21
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	7	0.21
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	18	0.21
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	2	0.21
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	10	0.21
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	8	0.21
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	19	0.21
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	19	0.21
(2,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE2	7	0.21
(2,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	23	0.21
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	16	0.21
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	19	0.21
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	8	0.21
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	9	0.21
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	18	0.21
(2,182)	1:18:A:LYS:H	1:18:A:LYS:HA	12	0.21
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	2	0.21
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	10	0.21
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB3	10	0.21
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB2	19	0.21
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB1	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	2	0.21
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	8	0.21
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	13	0.21
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	14	0.21
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	1	0.21
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	11	0.21
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	13	0.21
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	18	0.21
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	10	0.21
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	22	0.21
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB3	10	0.21
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB2	19	0.21
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	7	0.21
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	14	0.21
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	16	0.21
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	7	0.21
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	8	0.21
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	10	0.21
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	14	0.21
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	16	0.21
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	18	0.21
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	22	0.21
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	3	0.21
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	15	0.21
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	21	0.21
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	5	0.21
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	10	0.21
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	4	0.21
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	8	0.21
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	8	0.21
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	1	0.21
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	12	0.21
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	24	0.21
(2,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	24	0.21
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	1	0.21
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	12	0.21
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	2	0.21
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG3	19	0.21
(2,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG2	15	0.21
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	24	0.21
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	14	0.21
(2,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	14	0.21
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	7	0.21
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	23	0.21
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	5	0.21
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	16	0.21
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	10	0.21
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	10	0.21
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	9	0.21
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	14	0.21
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	18	0.21
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	19	0.21
(2,44)	1:6:A:THR:HB	1:6:A:THR:HG21	8	0.21
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	12	0.21
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	5	0.21
(2,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	9	0.21
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	7	0.21
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	4	0.21
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB2	24	0.21
(2,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	13	0.21
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	7	0.21
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	9	0.21
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	12	0.21
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	4	0.21
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	20	0.21
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB2	3	0.21
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB3	6	0.21
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB3	14	0.21
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB2	18	0.21
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB2	24	0.21
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	9	0.21
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	19	0.21
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	13	0.21
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	2	0.21
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	3	0.21
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	9	0.21
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	12	0.21
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	13	0.21
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	16	0.21
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	17	0.21
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	18	0.21
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	19	0.21
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	21	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	22	0.21
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	23	0.21
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	11	0.21
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	17	0.21
(1,640)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	5	0.21
(1,636)	1:24:A:LYS:HB3	1:24:A:LYS:HD2	22	0.21
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	11	0.21
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	21	0.21
(1,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE1	8	0.21
(1,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE3	17	0.21
(1,614)	1:24:A:LYS:HA	1:24:A:LYS:HB2	8	0.21
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	6	0.21
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	21	0.21
(1,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	7	0.21
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	18	0.21
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	16	0.21
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	11	0.21
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG21	1	0.21
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG21	3	0.21
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG12	4	0.21
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG22	12	0.21
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG22	13	0.21
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG21	18	0.21
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG22	20	0.21
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG11	24	0.21
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD2	13	0.21
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	23	0.21
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	13	0.21
(1,535)	1:21:A:ALA:H	1:30:A:ILE:H	21	0.21
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	9	0.21
(1,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD13	2	0.21
(1,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD12	7	0.21
(1,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	2	0.21
(1,520)	1:40:A:GLN:HB3	1:40:A:GLN:HG2	10	0.21
(1,517)	1:12:A:PRO:HB2	1:12:A:PRO:HG2	19	0.21
(1,514)	1:40:A:GLN:HA	1:40:A:GLN:HG2	23	0.21
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	14	0.21
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB2	15	0.21
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	1	0.21
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	6	0.21
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	8	0.21
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG21	21	0.21
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG22	24	0.21
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG23	8	0.21
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	12	0.21
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG23	22	0.21
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	8	0.21
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	20	0.21
(1,497)	1:16:A:ARG:H	1:14:A:LYS:HA	23	0.21
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG23	10	0.21
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	22	0.21
(1,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG12	10	0.21
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	5	0.21
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG13	15	0.21
(1,450)	1:9:A:THR:H	1:30:A:ILE:HA	1	0.21
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	7	0.21
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	19	0.21
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	1	0.21
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	22	0.21
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	19	0.21
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD1	4	0.21
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	1	0.21
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	16	0.21
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	22	0.21
(1,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	12	0.21
(1,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	16	0.21
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB2	12	0.21
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	14	0.21
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	22	0.21
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG2	23	0.21
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG21	10	0.21
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD11	24	0.21
(1,385)	1:29:A:VAL:H	1:9:A:THR:HB	19	0.21
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	2	0.21
(1,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	1	0.21
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	3	0.21
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	15	0.21
(1,365)	1:30:A:ILE:HD12	1:39:A:CYS:HB3	22	0.21
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	17	0.21
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	6	0.21
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	19	0.21
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	5	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	3	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	4	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	5	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	8	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	9	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	14	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	15	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	16	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	17	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	18	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	19	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	20	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	21	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	22	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	23	0.21
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	24	0.21
(1,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	14	0.21
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	7	0.21
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	12	0.21
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	16	0.21
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	5	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	2	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	3	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	4	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	5	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	7	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	8	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	9	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	10	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	11	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	13	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	14	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	16	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	18	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	19	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	21	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	22	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	23	0.21
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	24	0.21
(1,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD2	14	0.21
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD11	13	0.21
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	17	0.21
(1,316)	1:15:A:ILE:HG21	1:17:A:ARG:HG2	13	0.21
(1,315)	1:15:A:ILE:HG23	1:11:A:CYS:HB3	24	0.21
(1,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	13	0.21
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	16	0.21
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	24	0.21
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	18	0.21
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	23	0.21
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	9	0.21
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	18	0.21
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	12	0.21
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	2	0.21
(1,262)	1:17:A:ARG:HA	1:17:A:ARG:HG2	20	0.21
(1,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB2	7	0.21
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB3	15	0.21
(1,257)	1:4:A:LYS:H	1:3:A:LYS:HA	21	0.21
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	2	0.21
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	7	0.21
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	4	0.21
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	12	0.21
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	10	0.21
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	10	0.21
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	15	0.21
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	20	0.21
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	7	0.21
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	18	0.21
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	2	0.21
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	10	0.21
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	8	0.21
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	19	0.21
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	19	0.21
(1,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE2	7	0.21
(1,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	23	0.21
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	16	0.21
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	19	0.21
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	8	0.21
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	9	0.21
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	18	0.21
(1,182)	1:18:A:LYS:H	1:18:A:LYS:HA	12	0.21
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	2	0.21
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	10	0.21
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB3	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB2	19	0.21
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB1	20	0.21
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	2	0.21
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	8	0.21
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	13	0.21
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	14	0.21
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	1	0.21
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	11	0.21
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	13	0.21
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	18	0.21
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	10	0.21
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	22	0.21
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB3	10	0.21
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB2	19	0.21
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	7	0.21
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	14	0.21
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	16	0.21
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	7	0.21
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	8	0.21
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	10	0.21
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	14	0.21
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	16	0.21
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	18	0.21
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	22	0.21
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	3	0.21
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	15	0.21
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	21	0.21
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	5	0.21
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	10	0.21
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	4	0.21
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	8	0.21
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	8	0.21
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	1	0.21
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	12	0.21
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	24	0.21
(1,122)	1:33:A:GLU:HB2	1:33:A:GLU:HG3	24	0.21
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	1	0.21
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	12	0.21
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	2	0.21
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG3	19	0.21
(1,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG2	15	0.21
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	24	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	14	0.21
(1,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	14	0.21
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	14	0.21
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	7	0.21
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	23	0.21
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	5	0.21
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	16	0.21
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	10	0.21
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	10	0.21
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	9	0.21
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	14	0.21
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	18	0.21
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	19	0.21
(1,44)	1:6:A:THR:HB	1:6:A:THR:HG21	8	0.21
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	12	0.21
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	5	0.21
(1,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	9	0.21
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	7	0.21
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	4	0.21
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB2	24	0.21
(1,22)	1:21:A:ALA:HA	1:21:A:ALA:HB3	13	0.21
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	7	0.21
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	9	0.21
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	12	0.21
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	4	0.21
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	20	0.21
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB2	3	0.21
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB3	6	0.21
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB3	14	0.21
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB2	18	0.21
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB2	24	0.21
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	9	0.21
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	19	0.21
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	13	0.21
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	2	0.21
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	3	0.21
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	9	0.21
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	12	0.21
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	13	0.21
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	16	0.21
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	17	0.21
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	19	0.21
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	21	0.21
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	22	0.21
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	23	0.21
(3,90)	1:36:A:ILE:HD13	1:43:A:PHE:HB2	22	0.2
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	4	0.2
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	5	0.2
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG2	3	0.2
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	5	0.2
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	9	0.2
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	19	0.2
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	21	0.2
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB3	2	0.2
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG12	16	0.2
(3,10)	1:36:A:ILE:HG21	1:36:A:ILE:HG12	9	0.2
(3,10)	1:36:A:ILE:HG22	1:36:A:ILE:HG12	17	0.2
(3,10)	1:36:A:ILE:HG21	1:36:A:ILE:HG12	23	0.2
(3,8)	1:36:A:ILE:HG23	1:36:A:ILE:HD12	5	0.2
(3,8)	1:36:A:ILE:HG23	1:36:A:ILE:HD12	6	0.2
(3,8)	1:36:A:ILE:HG22	1:36:A:ILE:HD11	21	0.2
(3,5)	1:25:A:LYS:HA	1:25:A:LYS:HG3	10	0.2
(3,3)	1:43:A:PHE:HB2	1:43:A:PHE:HD2	5	0.2
(3,3)	1:43:A:PHE:HB2	1:43:A:PHE:HD2	13	0.2
(2,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	2	0.2
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	15	0.2
(2,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	20	0.2
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	22	0.2
(2,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE1	6	0.2
(2,628)	1:9:A:THR:HG21	1:28:A:LYS:HD2	9	0.2
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE3	2	0.2
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE3	5	0.2
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	7	0.2
(2,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE2	11	0.2
(2,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE2	23	0.2
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG3	8	0.2
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	10	0.2
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	12	0.2
(2,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	16	0.2
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	4	0.2
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	12	0.2
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	4	0.2
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG23	2	0.2
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG13	5	0.2
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG13	8	0.2
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG11	9	0.2
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG23	10	0.2
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG22	11	0.2
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG21	14	0.2
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG22	17	0.2
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG21	19	0.2
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG22	21	0.2
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG11	22	0.2
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	5	0.2
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	11	0.2
(2,535)	1:21:A:ALA:H	1:30:A:ILE:H	20	0.2
(2,535)	1:21:A:ALA:H	1:30:A:ILE:H	22	0.2
(2,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD11	4	0.2
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	3	0.2
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG21	23	0.2
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	22	0.2
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	22	0.2
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG21	20	0.2
(2,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	13	0.2
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	15	0.2
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	20	0.2
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	3	0.2
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	5	0.2
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	15	0.2
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG22	2	0.2
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	7	0.2
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	21	0.2
(2,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	20	0.2
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	3	0.2
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	7	0.2
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	7	0.2
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	10	0.2
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	20	0.2
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD2	1	0.2
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD2	6	0.2
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	17	0.2
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	19	0.2
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	7	0.2
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB3	16	0.2
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	5	0.2
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB1	10	0.2
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG22	7	0.2
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD13	4	0.2
(2,385)	1:29:A:VAL:H	1:9:A:THR:HB	24	0.2
(2,383)	1:8:A:CYS:H	1:18:A:LYS:HA	24	0.2
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	22	0.2
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	22	0.2
(2,369)	1:9:A:THR:HG22	1:28:A:LYS:HG2	4	0.2
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	5	0.2
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	9	0.2
(2,365)	1:30:A:ILE:HD11	1:39:A:CYS:HB3	18	0.2
(2,361)	1:29:A:VAL:HG12	1:22:A:SER:HB3	23	0.2
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	9	0.2
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	6	0.2
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB2	15	0.2
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	18	0.2
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	5	0.2
(2,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	3	0.2
(2,356)	1:19:A:ALA:HB2	1:8:A:CYS:HB2	5	0.2
(2,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	21	0.2
(2,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	23	0.2
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	12	0.2
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	13	0.2
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	16	0.2
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	6	0.2
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	10	0.2
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	12	0.2
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	13	0.2
(2,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD3	22	0.2
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	4	0.2
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	19	0.2
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	15	0.2
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	24	0.2
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	1	0.2
(2,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	6	0.2
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	1	0.2
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	5	0.2
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	22	0.2
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	13	0.2
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	20	0.2
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	5	0.2
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	13	0.2
(2,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	8	0.2
(2,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB3	16	0.2
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	3	0.2
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	20	0.2
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	17	0.2
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB3	6	0.2
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB3	12	0.2
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG22	4	0.2
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	16	0.2
(2,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	7	0.2
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	7	0.2
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	18	0.2
(2,261)	1:30:A:ILE:HG21	1:39:A:CYS:HB2	12	0.2
(2,251)	1:13:A:SER:H	1:12:A:PRO:HB3	23	0.2
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	18	0.2
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	11	0.2
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	3	0.2
(2,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	23	0.2
(2,223)	1:14:A:LYS:H	1:13:A:SER:HB2	21	0.2
(2,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	20	0.2
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	2	0.2
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	8	0.2
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	10	0.2
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	11	0.2
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	12	0.2
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	15	0.2
(2,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	17	0.2
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	22	0.2
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	13	0.2
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	14	0.2
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	4	0.2
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	15	0.2
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	1	0.2
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	7	0.2
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	6	0.2
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	20	0.2
(2,177)	1:30:A:ILE:H	1:29:A:VAL:HB	1	0.2
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB1	3	0.2
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	4	0.2
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	16	0.2
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	17	0.2
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	19	0.2
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	20	0.2
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	24	0.2
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	5	0.2
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	6	0.2
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	16	0.2
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	24	0.2
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	12	0.2
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB2	6	0.2
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB3	8	0.2
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB2	15	0.2
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB2	18	0.2
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	11	0.2
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	1	0.2
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	4	0.2
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	19	0.2
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	24	0.2
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	12	0.2
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	17	0.2
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	18	0.2
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	6	0.2
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB3	1	0.2
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB3	24	0.2
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	4	0.2
(2,131)	1:32:A:ARG:H	1:33:A:GLU:H	22	0.2
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB3	17	0.2
(2,126)	1:38:A:MET:H	1:39:A:CYS:H	20	0.2
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	4	0.2
(2,121)	1:33:A:GLU:H	1:33:A:GLU:HB2	20	0.2
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	9	0.2
(2,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	23	0.2
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	13	0.2
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	19	0.2
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	4	0.2
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	8	0.2
(2,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	18	0.2
(2,113)	1:28:A:LYS:H	1:27:A:LYS:HA	4	0.2
(2,113)	1:28:A:LYS:H	1:27:A:LYS:HA	15	0.2
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	5	0.2
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	15	0.2
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	16	0.2
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	20	0.2
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	23	0.2
(2,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	3	0.2
(2,107)	1:32:A:ARG:HB2	1:32:A:ARG:HD2	15	0.2
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	6	0.2
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	11	0.2
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	16	0.2
(2,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	3	0.2
(2,81)	1:16:A:ARG:HA	1:7:A:TYR:HD1	14	0.2
(2,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	20	0.2
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	2	0.2
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	17	0.2
(2,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD2	9	0.2
(2,70)	1:30:A:ILE:HD11	1:35:A:ASN:HB3	7	0.2
(2,69)	1:30:A:ILE:HD13	1:23:A:CYS:HB2	2	0.2
(2,69)	1:30:A:ILE:HD11	1:23:A:CYS:HB2	5	0.2
(2,69)	1:30:A:ILE:HD12	1:23:A:CYS:HB2	15	0.2
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	14	0.2
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	16	0.2
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	7	0.2
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	4	0.2
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	16	0.2
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	1	0.2
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	6	0.2
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	13	0.2
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	22	0.2
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	23	0.2
(2,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	17	0.2
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	3	0.2
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	6	0.2
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	17	0.2
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB3	1	0.2
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB2	2	0.2
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB2	5	0.2
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB3	13	0.2
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB3	17	0.2
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB2	22	0.2
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	16	0.2
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:42:A:CYS:H	1:42:A:CYS:HB2	9	0.2
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	10	0.2
(1,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	2	0.2
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	15	0.2
(1,643)	1:28:A:LYS:HG2	1:28:A:LYS:HD3	20	0.2
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	22	0.2
(1,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE1	6	0.2
(1,628)	1:9:A:THR:HG21	1:28:A:LYS:HD2	9	0.2
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE3	2	0.2
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE3	5	0.2
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	7	0.2
(1,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE2	11	0.2
(1,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE2	23	0.2
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG3	8	0.2
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD2	10	0.2
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	12	0.2
(1,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	16	0.2
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	4	0.2
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	12	0.2
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	4	0.2
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	12	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG23	2	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG13	5	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG13	8	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG11	9	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG23	10	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG22	11	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG21	14	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG22	17	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG21	19	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG22	21	0.2
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG11	22	0.2
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	5	0.2
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	11	0.2
(1,535)	1:21:A:ALA:H	1:30:A:ILE:H	20	0.2
(1,535)	1:21:A:ALA:H	1:30:A:ILE:H	22	0.2
(1,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD11	4	0.2
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	3	0.2
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG21	23	0.2
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	22	0.2
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	22	0.2
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG21	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,507)	1:32:A:ARG:HA	1:32:A:ARG:HD2	13	0.2
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	15	0.2
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG22	20	0.2
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	3	0.2
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	5	0.2
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	15	0.2
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG22	2	0.2
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	7	0.2
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	21	0.2
(1,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	20	0.2
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	3	0.2
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	7	0.2
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	7	0.2
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	10	0.2
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	20	0.2
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD2	1	0.2
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD2	6	0.2
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	17	0.2
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	19	0.2
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	7	0.2
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	13	0.2
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB3	16	0.2
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	5	0.2
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB1	10	0.2
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG22	7	0.2
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD13	4	0.2
(1,385)	1:29:A:VAL:H	1:9:A:THR:HB	24	0.2
(1,383)	1:8:A:CYS:H	1:18:A:LYS:HA	24	0.2
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	22	0.2
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	22	0.2
(1,369)	1:9:A:THR:HG22	1:28:A:LYS:HG2	4	0.2
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	5	0.2
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	9	0.2
(1,365)	1:30:A:ILE:HD11	1:39:A:CYS:HB3	18	0.2
(1,361)	1:29:A:VAL:HG12	1:22:A:SER:HB3	23	0.2
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	9	0.2
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	6	0.2
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB2	15	0.2
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	18	0.2
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	5	0.2
(1,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	3	0.2
(1,356)	1:19:A:ALA:HB2	1:8:A:CYS:HB2	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	21	0.2
(1,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	23	0.2
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	12	0.2
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	13	0.2
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	16	0.2
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	6	0.2
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	10	0.2
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	12	0.2
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	13	0.2
(1,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD3	22	0.2
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	4	0.2
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	19	0.2
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	15	0.2
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	24	0.2
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB3	1	0.2
(1,338)	1:17:A:ARG:HA	1:17:A:ARG:HB2	6	0.2
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	1	0.2
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	5	0.2
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	22	0.2
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	13	0.2
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	9	0.2
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	20	0.2
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	5	0.2
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	13	0.2
(1,315)	1:15:A:ILE:HG22	1:11:A:CYS:HB3	8	0.2
(1,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB3	16	0.2
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	3	0.2
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	20	0.2
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	17	0.2
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB3	6	0.2
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB3	12	0.2
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG22	4	0.2
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	16	0.2
(1,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	7	0.2
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	7	0.2
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG3	18	0.2
(1,261)	1:30:A:ILE:HG21	1:39:A:CYS:HB2	12	0.2
(1,251)	1:13:A:SER:H	1:12:A:PRO:HB3	23	0.2
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	18	0.2
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	11	0.2
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	3	0.2
(1,228)	1:15:A:ILE:H	1:15:A:ILE:HG12	23	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:14:A:LYS:H	1:13:A:SER:HB2	21	0.2
(1,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	20	0.2
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	2	0.2
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	8	0.2
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	10	0.2
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	11	0.2
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	12	0.2
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	15	0.2
(1,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	17	0.2
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	22	0.2
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	13	0.2
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	14	0.2
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	4	0.2
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	15	0.2
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	1	0.2
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	7	0.2
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	6	0.2
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	20	0.2
(1,177)	1:30:A:ILE:H	1:29:A:VAL:HB	1	0.2
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB1	3	0.2
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	3	0.2
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	4	0.2
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	16	0.2
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	17	0.2
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	19	0.2
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	20	0.2
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	24	0.2
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	5	0.2
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	6	0.2
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	16	0.2
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	24	0.2
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	12	0.2
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB2	6	0.2
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB3	8	0.2
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB2	15	0.2
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB2	18	0.2
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	11	0.2
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	1	0.2
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	4	0.2
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	19	0.2
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	24	0.2
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	17	0.2
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	18	0.2
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	6	0.2
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB3	1	0.2
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB3	24	0.2
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	4	0.2
(1,131)	1:32:A:ARG:H	1:33:A:GLU:H	22	0.2
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB3	17	0.2
(1,126)	1:38:A:MET:H	1:39:A:CYS:H	20	0.2
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	4	0.2
(1,121)	1:33:A:GLU:H	1:33:A:GLU:HB2	20	0.2
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	9	0.2
(1,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	23	0.2
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	13	0.2
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	19	0.2
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	4	0.2
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	8	0.2
(1,114)	1:27:A:LYS:HB2	1:27:A:LYS:HG2	18	0.2
(1,113)	1:28:A:LYS:H	1:27:A:LYS:HA	4	0.2
(1,113)	1:28:A:LYS:H	1:27:A:LYS:HA	15	0.2
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	5	0.2
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	5	0.2
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	15	0.2
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	16	0.2
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	20	0.2
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	23	0.2
(1,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	3	0.2
(1,107)	1:32:A:ARG:HB2	1:32:A:ARG:HD2	15	0.2
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	6	0.2
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	11	0.2
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	16	0.2
(1,82)	1:16:A:ARG:HA	1:7:A:TYR:HE1	3	0.2
(1,81)	1:16:A:ARG:HA	1:7:A:TYR:HD1	14	0.2
(1,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	20	0.2
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	2	0.2
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	17	0.2
(1,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD2	9	0.2
(1,70)	1:30:A:ILE:HD11	1:35:A:ASN:HB3	7	0.2
(1,69)	1:30:A:ILE:HD13	1:23:A:CYS:HB2	2	0.2
(1,69)	1:30:A:ILE:HD11	1:23:A:CYS:HB2	5	0.2
(1,69)	1:30:A:ILE:HD12	1:23:A:CYS:HB2	15	0.2
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	16	0.2
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	7	0.2
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	4	0.2
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	16	0.2
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	1	0.2
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	6	0.2
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	13	0.2
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	22	0.2
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	23	0.2
(1,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	17	0.2
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	3	0.2
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	6	0.2
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	17	0.2
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB3	1	0.2
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB2	2	0.2
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB2	5	0.2
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB3	13	0.2
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB3	17	0.2
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB2	22	0.2
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	16	0.2
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	5	0.2
(1,6)	1:42:A:CYS:H	1:42:A:CYS:HB2	9	0.2
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	10	0.2
(3,94)	1:25:A:LYS:H	1:26:A:CYS:H	8	0.19
(3,94)	1:25:A:LYS:H	1:26:A:CYS:H	17	0.19
(3,75)	1:25:A:LYS:HG2	1:25:A:LYS:HE2	1	0.19
(3,75)	1:25:A:LYS:HG3	1:25:A:LYS:HE3	7	0.19
(3,75)	1:25:A:LYS:HG2	1:25:A:LYS:HE3	14	0.19
(3,73)	1:43:A:PHE:HA	1:43:A:PHE:HB3	17	0.19
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD3	21	0.19
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB3	16	0.19
(3,30)	1:25:A:LYS:H	1:24:A:LYS:HA	20	0.19
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB2	6	0.19
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	7	0.19
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	13	0.19
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	17	0.19
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG13	20	0.19
(3,10)	1:36:A:ILE:HG22	1:36:A:ILE:HG12	10	0.19
(3,10)	1:36:A:ILE:HG23	1:36:A:ILE:HG12	20	0.19
(3,10)	1:36:A:ILE:HG23	1:36:A:ILE:HG12	22	0.19
(2,647)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	11	0.19
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	23	0.19
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	3	0.19
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	22	0.19
(2,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	5	0.19
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	8	0.19
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	14	0.19
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG2	19	0.19
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	20	0.19
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	7	0.19
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	24	0.19
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	23	0.19
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	18	0.19
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	2	0.19
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	8	0.19
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	14	0.19
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE1	6	0.19
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG23	6	0.19
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG13	15	0.19
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG21	16	0.19
(2,588)	1:1:A:VAL:HB	1:1:A:VAL:HG23	23	0.19
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	23	0.19
(2,574)	1:1:A:VAL:HA	1:1:A:VAL:HG22	5	0.19
(2,574)	1:1:A:VAL:HA	1:1:A:VAL:HG23	14	0.19
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	7	0.19
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	6	0.19
(2,535)	1:21:A:ALA:H	1:30:A:ILE:H	1	0.19
(2,535)	1:21:A:ALA:H	1:30:A:ILE:H	14	0.19
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	19	0.19
(2,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD12	22	0.19
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	4	0.19
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	9	0.19
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	14	0.19
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	20	0.19
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	23	0.19
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	18	0.19
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	2	0.19
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	3	0.19
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG23	3	0.19
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG23	11	0.19
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG23	14	0.19
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG23	15	0.19
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG22	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	7	0.19
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	3	0.19
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	14	0.19
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	20	0.19
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	13	0.19
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	17	0.19
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	23	0.19
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	6	0.19
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	9	0.19
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	24	0.19
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	4	0.19
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	16	0.19
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	8	0.19
(2,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	3	0.19
(2,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG13	3	0.19
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	13	0.19
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	12	0.19
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD1	14	0.19
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	5	0.19
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	14	0.19
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	21	0.19
(2,437)	1:34:A:HIS:H	1:35:A:ASN:H	10	0.19
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	1	0.19
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	7	0.19
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	20	0.19
(2,427)	1:29:A:VAL:H	1:9:A:THR:H	22	0.19
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	15	0.19
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	8	0.19
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	15	0.19
(2,407)	1:41:A:SER:H	1:10:A:TYR:HE1	6	0.19
(2,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	3	0.19
(2,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	20	0.19
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	4	0.19
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	15	0.19
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	5	0.19
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD12	14	0.19
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	3	0.19
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	15	0.19
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	4	0.19
(2,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	24	0.19
(2,369)	1:9:A:THR:HG21	1:28:A:LYS:HG2	10	0.19
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	21	0.19
(2,365)	1:30:A:ILE:HD12	1:39:A:CYS:HB3	14	0.19
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	15	0.19
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	21	0.19
(2,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	1	0.19
(2,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD2	16	0.19
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	11	0.19
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	17	0.19
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	12	0.19
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	21	0.19
(2,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD2	21	0.19
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD13	4	0.19
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	9	0.19
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	6	0.19
(2,315)	1:15:A:ILE:HG23	1:11:A:CYS:HB3	21	0.19
(2,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB3	7	0.19
(2,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	22	0.19
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	2	0.19
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	8	0.19
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	16	0.19
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	11	0.19
(2,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	24	0.19
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	7	0.19
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	18	0.19
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	20	0.19
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	11	0.19
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	22	0.19
(2,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB2	2	0.19
(2,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB2	13	0.19
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	4	0.19
(2,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	7	0.19
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	2	0.19
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD11	2	0.19
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	19	0.19
(2,221)	1:15:A:ILE:H	1:14:A:LYS:HA	8	0.19
(2,209)	1:26:A:CYS:H	1:26:A:CYS:HB2	7	0.19
(2,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	18	0.19
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	2	0.19
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	18	0.19
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	5	0.19
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	13	0.19
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	18	0.19
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	20	0.19
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	21	0.19
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	22	0.19
(2,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE2	9	0.19
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB3	1	0.19
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	5	0.19
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	13	0.19
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	5	0.19
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	15	0.19
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	23	0.19
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB1	5	0.19
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB2	12	0.19
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB2	4	0.19
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB2	20	0.19
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB2	24	0.19
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG2	14	0.19
(2,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	14	0.19
(2,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	15	0.19
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	20	0.19
(2,149)	1:5:A:ARG:H	1:5:A:ARG:HB3	6	0.19
(2,144)	1:11:A:CYS:H	1:10:A:TYR:HB2	22	0.19
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	4	0.19
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	6	0.19
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	13	0.19
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	16	0.19
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	22	0.19
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	3	0.19
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	11	0.19
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	15	0.19
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	2	0.19
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	4	0.19
(2,124)	1:38:A:MET:H	1:37:A:ASP:HA	15	0.19
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	10	0.19
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	6	0.19
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	20	0.19
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	9	0.19
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	12	0.19
(2,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG2	5	0.19
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	1	0.19
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	5	0.19
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	7	0.19
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	14	0.19
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	15	0.19
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	20	0.19
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	21	0.19
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	23	0.19
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	24	0.19
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	9	0.19
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	17	0.19
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	24	0.19
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	1	0.19
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	3	0.19
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	6	0.19
(2,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	4	0.19
(2,107)	1:32:A:ARG:HB2	1:32:A:ARG:HD2	6	0.19
(2,107)	1:32:A:ARG:HB2	1:32:A:ARG:HD2	23	0.19
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	2	0.19
(2,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	3	0.19
(2,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	12	0.19
(2,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	14	0.19
(2,79)	1:18:A:LYS:HD3	1:7:A:TYR:HE1	3	0.19
(2,75)	1:30:A:ILE:HG21	1:10:A:TYR:HD1	24	0.19
(2,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB2	15	0.19
(2,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB3	17	0.19
(2,69)	1:30:A:ILE:HD11	1:23:A:CYS:HB2	21	0.19
(2,65)	1:22:A:SER:H	1:21:A:ALA:HB1	13	0.19
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	7	0.19
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	1	0.19
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	6	0.19
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	17	0.19
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	19	0.19
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	22	0.19
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	15	0.19
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	18	0.19
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	23	0.19
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	24	0.19
(2,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	3	0.19
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	9	0.19
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	19	0.19
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	6	0.19
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	17	0.19
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	16	0.19
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	19	0.19
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB2	9	0.19
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB3	16	0.19
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB2	21	0.19
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	2	0.19
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	11	0.19
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	21	0.19
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	6	0.19
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	15	0.19
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	21	0.19
(1,647)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	11	0.19
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	16	0.19
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	23	0.19
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	3	0.19
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	22	0.19
(1,621)	1:32:A:ARG:HA	1:32:A:ARG:HG2	5	0.19
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	8	0.19
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	14	0.19
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG2	19	0.19
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	20	0.19
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	7	0.19
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	24	0.19
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	23	0.19
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	18	0.19
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	2	0.19
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	8	0.19
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	14	0.19
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE1	6	0.19
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG23	6	0.19
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG13	15	0.19
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG21	16	0.19
(1,588)	1:1:A:VAL:HB	1:1:A:VAL:HG23	23	0.19
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	23	0.19
(1,574)	1:1:A:VAL:HA	1:1:A:VAL:HG22	5	0.19
(1,574)	1:1:A:VAL:HA	1:1:A:VAL:HG23	14	0.19
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	7	0.19
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	6	0.19
(1,535)	1:21:A:ALA:H	1:30:A:ILE:H	1	0.19
(1,535)	1:21:A:ALA:H	1:30:A:ILE:H	14	0.19
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	19	0.19
(1,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD12	22	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	4	0.19
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	9	0.19
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	14	0.19
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	20	0.19
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	23	0.19
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	18	0.19
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	2	0.19
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB2	3	0.19
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG23	3	0.19
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG23	11	0.19
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG23	14	0.19
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG23	15	0.19
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG22	17	0.19
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	7	0.19
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	3	0.19
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	14	0.19
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	20	0.19
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	13	0.19
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	17	0.19
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	23	0.19
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	6	0.19
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	9	0.19
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	24	0.19
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	4	0.19
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	16	0.19
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	8	0.19
(1,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	3	0.19
(1,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG13	3	0.19
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	13	0.19
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	12	0.19
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD1	14	0.19
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	5	0.19
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	14	0.19
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD1	21	0.19
(1,437)	1:34:A:HIS:H	1:35:A:ASN:H	10	0.19
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	1	0.19
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	7	0.19
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	20	0.19
(1,427)	1:29:A:VAL:H	1:9:A:THR:H	22	0.19
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	15	0.19
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	8	0.19
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:41:A:SER:H	1:10:A:TYR:HE1	6	0.19
(1,404)	1:9:A:THR:HG22	1:28:A:LYS:HB3	3	0.19
(1,397)	1:4:A:LYS:HA	1:4:A:LYS:HD2	20	0.19
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	4	0.19
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	15	0.19
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	5	0.19
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD12	14	0.19
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	3	0.19
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	15	0.19
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	4	0.19
(1,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	24	0.19
(1,369)	1:9:A:THR:HG21	1:28:A:LYS:HG2	10	0.19
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	1	0.19
(1,366)	1:31:A:CYS:HA	1:31:A:CYS:HB3	21	0.19
(1,365)	1:30:A:ILE:HD12	1:39:A:CYS:HB3	14	0.19
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	15	0.19
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	21	0.19
(1,345)	1:16:A:ARG:HA	1:16:A:ARG:HB2	1	0.19
(1,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD2	16	0.19
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	11	0.19
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	17	0.19
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	12	0.19
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	21	0.19
(1,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD2	21	0.19
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD13	4	0.19
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	9	0.19
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	6	0.19
(1,315)	1:15:A:ILE:HG23	1:11:A:CYS:HB3	21	0.19
(1,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB3	7	0.19
(1,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	22	0.19
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	2	0.19
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	8	0.19
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	16	0.19
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	11	0.19
(1,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	24	0.19
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	7	0.19
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	18	0.19
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	20	0.19
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	11	0.19
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	22	0.19
(1,261)	1:30:A:ILE:HG22	1:39:A:CYS:HB2	2	0.19
(1,261)	1:30:A:ILE:HG23	1:39:A:CYS:HB2	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	4	0.19
(1,247)	1:15:A:ILE:HB	1:15:A:ILE:HG13	7	0.19
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	2	0.19
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD11	2	0.19
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	19	0.19
(1,221)	1:15:A:ILE:H	1:14:A:LYS:HA	8	0.19
(1,209)	1:26:A:CYS:H	1:26:A:CYS:HB2	7	0.19
(1,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	18	0.19
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	2	0.19
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	18	0.19
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	5	0.19
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	13	0.19
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	17	0.19
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	18	0.19
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	20	0.19
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	21	0.19
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	22	0.19
(1,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE2	9	0.19
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB3	1	0.19
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	5	0.19
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	13	0.19
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	5	0.19
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	15	0.19
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	23	0.19
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB1	5	0.19
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB2	12	0.19
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB2	4	0.19
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB2	20	0.19
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB2	24	0.19
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG2	14	0.19
(1,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	14	0.19
(1,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	15	0.19
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	20	0.19
(1,149)	1:5:A:ARG:H	1:5:A:ARG:HB3	6	0.19
(1,144)	1:11:A:CYS:H	1:10:A:TYR:HB2	22	0.19
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	4	0.19
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	6	0.19
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	13	0.19
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	16	0.19
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	22	0.19
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	3	0.19
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	15	0.19
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	2	0.19
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	4	0.19
(1,124)	1:38:A:MET:H	1:37:A:ASP:HA	15	0.19
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	10	0.19
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	6	0.19
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	20	0.19
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	9	0.19
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	12	0.19
(1,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG2	5	0.19
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	1	0.19
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	5	0.19
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	6	0.19
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	7	0.19
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	14	0.19
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	15	0.19
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	20	0.19
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	21	0.19
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	23	0.19
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	24	0.19
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	9	0.19
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	17	0.19
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	24	0.19
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	1	0.19
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	3	0.19
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	6	0.19
(1,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	4	0.19
(1,107)	1:32:A:ARG:HB2	1:32:A:ARG:HD2	6	0.19
(1,107)	1:32:A:ARG:HB2	1:32:A:ARG:HD2	23	0.19
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	2	0.19
(1,103)	1:39:A:CYS:HA	1:30:A:ILE:HG22	3	0.19
(1,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	12	0.19
(1,101)	1:35:A:ASN:H	1:35:A:ASN:HB3	14	0.19
(1,79)	1:18:A:LYS:HD3	1:7:A:TYR:HE1	3	0.19
(1,75)	1:30:A:ILE:HG21	1:10:A:TYR:HD1	24	0.19
(1,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB2	15	0.19
(1,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB3	17	0.19
(1,69)	1:30:A:ILE:HD11	1:23:A:CYS:HB2	21	0.19
(1,65)	1:22:A:SER:H	1:21:A:ALA:HB1	13	0.19
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	7	0.19
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	1	0.19
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	17	0.19
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	19	0.19
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	22	0.19
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	15	0.19
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	18	0.19
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	23	0.19
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	24	0.19
(1,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	3	0.19
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	9	0.19
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	19	0.19
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	6	0.19
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	17	0.19
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	15	0.19
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	16	0.19
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	19	0.19
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB2	9	0.19
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB3	16	0.19
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB2	21	0.19
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	2	0.19
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	11	0.19
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	21	0.19
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	6	0.19
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	15	0.19
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	21	0.19
(3,76)	1:25:A:LYS:HB2	1:25:A:LYS:HD3	14	0.18
(3,72)	1:36:A:ILE:HA	1:36:A:ILE:HB	9	0.18
(3,72)	1:36:A:ILE:HA	1:36:A:ILE:HB	13	0.18
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	22	0.18
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	9	0.18
(3,38)	1:43:A:PHE:H	1:25:A:LYS:HG2	23	0.18
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	22	0.18
(3,31)	1:37:A:ASP:H	1:36:A:ILE:HG13	11	0.18
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	19	0.18
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD13	20	0.18
(3,21)	1:36:A:ILE:H	1:36:A:ILE:HG13	2	0.18
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB3	9	0.18
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB3	6	0.18
(3,10)	1:36:A:ILE:HG23	1:36:A:ILE:HG12	3	0.18
(3,10)	1:36:A:ILE:HG21	1:36:A:ILE:HG12	4	0.18
(3,10)	1:36:A:ILE:HG22	1:36:A:ILE:HG12	18	0.18
(3,8)	1:36:A:ILE:HG23	1:36:A:ILE:HD11	1	0.18
(3,8)	1:36:A:ILE:HG23	1:36:A:ILE:HD12	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,7)	1:26:A:CYS:H	1:25:A:LYS:HA	14	0.18
(3,5)	1:25:A:LYS:HA	1:25:A:LYS:HG2	1	0.18
(3,3)	1:43:A:PHE:HB3	1:43:A:PHE:HD2	6	0.18
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	2	0.18
(2,647)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	3	0.18
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	13	0.18
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	15	0.18
(2,647)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	22	0.18
(2,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	12	0.18
(2,636)	1:24:A:LYS:HB3	1:24:A:LYS:HD3	13	0.18
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	4	0.18
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	9	0.18
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	13	0.18
(2,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE2	11	0.18
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG12	3	0.18
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG12	13	0.18
(2,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE3	8	0.18
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	15	0.18
(2,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE3	18	0.18
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG3	17	0.18
(2,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD3	16	0.18
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	5	0.18
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	13	0.18
(2,614)	1:24:A:LYS:HA	1:24:A:LYS:HB3	6	0.18
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	21	0.18
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	20	0.18
(2,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	11	0.18
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	14	0.18
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	23	0.18
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	9	0.18
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	13	0.18
(2,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	20	0.18
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB3	9	0.18
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	15	0.18
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	20	0.18
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	20	0.18
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	22	0.18
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	23	0.18
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	19	0.18
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	12	0.18
(2,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	8	0.18
(2,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	2	0.18
(2,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD3	20	0.18
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	8	0.18
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	7	0.18
(2,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD12	14	0.18
(2,528)	1:30:A:ILE:HG21	1:30:A:ILE:HG12	8	0.18
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	7	0.18
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	17	0.18
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	21	0.18
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	22	0.18
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	21	0.18
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	11	0.18
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	21	0.18
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG22	5	0.18
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	7	0.18
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	13	0.18
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD11	16	0.18
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD11	21	0.18
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	24	0.18
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	20	0.18
(2,500)	1:22:A:SER:HA	1:29:A:VAL:HA	2	0.18
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	7	0.18
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG13	11	0.18
(2,483)	1:31:A:CYS:H	1:19:A:ALA:HA	4	0.18
(2,475)	1:21:A:ALA:HB1	1:30:A:ILE:HG12	8	0.18
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB2	10	0.18
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	24	0.18
(2,467)	1:23:A:CYS:HB2	1:26:A:CYS:HB2	15	0.18
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	5	0.18
(2,450)	1:9:A:THR:H	1:30:A:ILE:HA	3	0.18
(2,449)	1:32:A:ARG:H	1:20:A:ASN:HD22	24	0.18
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	7	0.18
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	14	0.18
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	4	0.18
(2,428)	1:6:A:THR:H	1:5:A:ARG:HG3	24	0.18
(2,421)	1:4:A:LYS:H	1:3:A:LYS:HB2	5	0.18
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	21	0.18
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	5	0.18
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	10	0.18
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	1	0.18
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD13	18	0.18
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	21	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB2	2	0.18
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	8	0.18
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	9	0.18
(2,391)	1:6:A:THR:H	1:29:A:VAL:HG22	22	0.18
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	20	0.18
(2,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	17	0.18
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	1	0.18
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	1	0.18
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	9	0.18
(2,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	24	0.18
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	19	0.18
(2,365)	1:30:A:ILE:HD13	1:39:A:CYS:HB3	8	0.18
(2,365)	1:30:A:ILE:HD12	1:39:A:CYS:HB3	23	0.18
(2,361)	1:29:A:VAL:HG12	1:22:A:SER:HB2	5	0.18
(2,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	18	0.18
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	10	0.18
(2,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	7	0.18
(2,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	20	0.18
(2,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	17	0.18
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	24	0.18
(2,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD2	19	0.18
(2,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD3	24	0.18
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	14	0.18
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	3	0.18
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	14	0.18
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	19	0.18
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	14	0.18
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	19	0.18
(2,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	13	0.18
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	11	0.18
(2,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	17	0.18
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	9	0.18
(2,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	10	0.18
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	22	0.18
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	8	0.18
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	2	0.18
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	4	0.18
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	24	0.18
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	10	0.18
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	16	0.18
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	18	0.18
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	24	0.18
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	4	0.18
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG21	23	0.18
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	22	0.18
(2,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	2	0.18
(2,257)	1:4:A:LYS:H	1:3:A:LYS:HA	5	0.18
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	13	0.18
(2,251)	1:13:A:SER:H	1:12:A:PRO:HB3	19	0.18
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	1	0.18
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	16	0.18
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	22	0.18
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB3	13	0.18
(2,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	7	0.18
(2,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG2	13	0.18
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	7	0.18
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	11	0.18
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	12	0.18
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	14	0.18
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	22	0.18
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG23	7	0.18
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	19	0.18
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	20	0.18
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	5	0.18
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	16	0.18
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	20	0.18
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	14	0.18
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	1	0.18
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	6	0.18
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	5	0.18
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	12	0.18
(2,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE3	18	0.18
(2,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	19	0.18
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	1	0.18
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	1	0.18
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	9	0.18
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	12	0.18
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	22	0.18
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB1	13	0.18
(2,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	15	0.18
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	12	0.18
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	15	0.18
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	17	0.18
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG2	19	0.18
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB2	12	0.18
(2,158)	1:14:A:LYS:H	1:14:A:LYS:HA	9	0.18
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	7	0.18
(2,150)	1:29:A:VAL:H	1:29:A:VAL:HA	2	0.18
(2,144)	1:11:A:CYS:H	1:10:A:TYR:HB2	17	0.18
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	9	0.18
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	17	0.18
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB2	9	0.18
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	8	0.18
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	19	0.18
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	20	0.18
(2,131)	1:32:A:ARG:H	1:33:A:GLU:H	14	0.18
(2,125)	1:38:A:MET:H	1:37:A:ASP:HB3	13	0.18
(2,119)	1:33:A:GLU:H	1:33:A:GLU:HA	22	0.18
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	14	0.18
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	16	0.18
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	6	0.18
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	7	0.18
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	15	0.18
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	20	0.18
(2,113)	1:28:A:LYS:H	1:27:A:LYS:HA	5	0.18
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	2	0.18
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	3	0.18
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	4	0.18
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	10	0.18
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	12	0.18
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	13	0.18
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	16	0.18
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	17	0.18
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	18	0.18
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	19	0.18
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	22	0.18
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	8	0.18
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	9	0.18
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	11	0.18
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	13	0.18
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	19	0.18
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	13	0.18
(2,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	17	0.18
(2,81)	1:16:A:ARG:HA	1:7:A:TYR:HD1	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,79)	1:18:A:LYS:HD3	1:7:A:TYR:HE2	12	0.18
(2,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD1	14	0.18
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	19	0.18
(2,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB3	9	0.18
(2,70)	1:30:A:ILE:HD13	1:35:A:ASN:HB2	22	0.18
(2,69)	1:30:A:ILE:HD12	1:23:A:CYS:HB2	3	0.18
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	13	0.18
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	12	0.18
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	13	0.18
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	20	0.18
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	22	0.18
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	4	0.18
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	7	0.18
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	13	0.18
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	17	0.18
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	19	0.18
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	21	0.18
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	22	0.18
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	22	0.18
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	3	0.18
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	15	0.18
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	16	0.18
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	2	0.18
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	8	0.18
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	9	0.18
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	11	0.18
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	17	0.18
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	22	0.18
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	8	0.18
(2,14)	1:41:A:SER:H	1:41:A:SER:HB3	15	0.18
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	1	0.18
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	2	0.18
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	15	0.18
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	16	0.18
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	2	0.18
(1,647)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	3	0.18
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	13	0.18
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	15	0.18
(1,647)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	22	0.18
(1,643)	1:28:A:LYS:HG3	1:28:A:LYS:HD2	12	0.18
(1,636)	1:24:A:LYS:HB3	1:24:A:LYS:HD3	13	0.18
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	9	0.18
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	13	0.18
(1,633)	1:18:A:LYS:HE3	1:7:A:TYR:HE2	11	0.18
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG12	3	0.18
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG12	13	0.18
(1,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE3	8	0.18
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	15	0.18
(1,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE3	18	0.18
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG3	17	0.18
(1,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD3	16	0.18
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	5	0.18
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG2	13	0.18
(1,614)	1:24:A:LYS:HA	1:24:A:LYS:HB3	6	0.18
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	21	0.18
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	20	0.18
(1,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	11	0.18
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	14	0.18
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	23	0.18
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	9	0.18
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	13	0.18
(1,600)	1:24:A:LYS:H	1:24:A:LYS:HG3	20	0.18
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB3	9	0.18
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	15	0.18
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG2	20	0.18
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	20	0.18
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	22	0.18
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	23	0.18
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	19	0.18
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	12	0.18
(1,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	8	0.18
(1,560)	1:32:A:ARG:HB2	1:20:A:ASN:HD21	15	0.18
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	2	0.18
(1,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD3	20	0.18
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	8	0.18
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	7	0.18
(1,529)	1:30:A:ILE:HG22	1:30:A:ILE:HD12	14	0.18
(1,528)	1:30:A:ILE:HG21	1:30:A:ILE:HG12	8	0.18
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	7	0.18
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	17	0.18
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	21	0.18
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	22	0.18
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	21	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	11	0.18
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	21	0.18
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG22	5	0.18
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	7	0.18
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	13	0.18
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD11	16	0.18
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD11	21	0.18
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	24	0.18
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	20	0.18
(1,500)	1:22:A:SER:HA	1:29:A:VAL:HA	2	0.18
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	7	0.18
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG13	11	0.18
(1,483)	1:31:A:CYS:H	1:19:A:ALA:HA	4	0.18
(1,475)	1:21:A:ALA:HB1	1:30:A:ILE:HG12	8	0.18
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB2	10	0.18
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	24	0.18
(1,467)	1:23:A:CYS:HB2	1:26:A:CYS:HB2	15	0.18
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	5	0.18
(1,450)	1:9:A:THR:H	1:30:A:ILE:HA	3	0.18
(1,449)	1:32:A:ARG:H	1:20:A:ASN:HD22	24	0.18
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	7	0.18
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	14	0.18
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	4	0.18
(1,428)	1:6:A:THR:H	1:5:A:ARG:HG3	24	0.18
(1,421)	1:4:A:LYS:H	1:3:A:LYS:HB2	5	0.18
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	21	0.18
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	5	0.18
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	10	0.18
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	1	0.18
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD13	18	0.18
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	21	0.18
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB2	2	0.18
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	8	0.18
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB2	9	0.18
(1,391)	1:6:A:THR:H	1:29:A:VAL:HG22	22	0.18
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	20	0.18
(1,387)	1:34:A:HIS:HB3	1:10:A:TYR:HD2	17	0.18
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	1	0.18
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	1	0.18
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	9	0.18
(1,374)	1:28:A:LYS:H	1:27:A:LYS:HB2	24	0.18
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:30:A:ILE:HD13	1:39:A:CYS:HB3	8	0.18
(1,365)	1:30:A:ILE:HD12	1:39:A:CYS:HB3	23	0.18
(1,361)	1:29:A:VAL:HG12	1:22:A:SER:HB2	5	0.18
(1,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	18	0.18
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	10	0.18
(1,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	7	0.18
(1,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	20	0.18
(1,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	17	0.18
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	24	0.18
(1,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD2	19	0.18
(1,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD3	24	0.18
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	14	0.18
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB3	3	0.18
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	14	0.18
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD12	19	0.18
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	14	0.18
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	19	0.18
(1,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	13	0.18
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	11	0.18
(1,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	17	0.18
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	9	0.18
(1,311)	1:27:A:LYS:H	1:23:A:CYS:HB3	10	0.18
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	22	0.18
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	8	0.18
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	2	0.18
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	4	0.18
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	24	0.18
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	10	0.18
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	16	0.18
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	18	0.18
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	11	0.18
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	24	0.18
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	4	0.18
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG21	23	0.18
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	22	0.18
(1,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	2	0.18
(1,257)	1:4:A:LYS:H	1:3:A:LYS:HA	5	0.18
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	13	0.18
(1,251)	1:13:A:SER:H	1:12:A:PRO:HB3	19	0.18
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	1	0.18
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	16	0.18
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	22	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB3	13	0.18
(1,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	7	0.18
(1,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG2	13	0.18
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	7	0.18
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	11	0.18
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	12	0.18
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	14	0.18
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	22	0.18
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG23	7	0.18
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	19	0.18
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	20	0.18
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	5	0.18
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	16	0.18
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	20	0.18
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	14	0.18
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	1	0.18
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	6	0.18
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	5	0.18
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	12	0.18
(1,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE3	18	0.18
(1,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	19	0.18
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	1	0.18
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	1	0.18
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	9	0.18
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	12	0.18
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	22	0.18
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB1	13	0.18
(1,171)	1:29:A:VAL:HA	1:29:A:VAL:HB	15	0.18
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	12	0.18
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	15	0.18
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	3	0.18
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	17	0.18
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG2	19	0.18
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB2	12	0.18
(1,158)	1:14:A:LYS:H	1:14:A:LYS:HA	9	0.18
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	7	0.18
(1,150)	1:29:A:VAL:H	1:29:A:VAL:HA	2	0.18
(1,144)	1:11:A:CYS:H	1:10:A:TYR:HB2	17	0.18
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	9	0.18
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	17	0.18
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB2	9	0.18
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	19	0.18
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	20	0.18
(1,131)	1:32:A:ARG:H	1:33:A:GLU:H	14	0.18
(1,125)	1:38:A:MET:H	1:37:A:ASP:HB3	13	0.18
(1,119)	1:33:A:GLU:H	1:33:A:GLU:HA	22	0.18
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	14	0.18
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	16	0.18
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	6	0.18
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	7	0.18
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	15	0.18
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	20	0.18
(1,113)	1:28:A:LYS:H	1:27:A:LYS:HA	5	0.18
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	2	0.18
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	3	0.18
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	4	0.18
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	10	0.18
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	12	0.18
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	13	0.18
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	16	0.18
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	17	0.18
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	18	0.18
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	19	0.18
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	22	0.18
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	8	0.18
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	9	0.18
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	11	0.18
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	13	0.18
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	19	0.18
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	13	0.18
(1,83)	1:18:A:LYS:HA	1:7:A:TYR:HD2	17	0.18
(1,81)	1:16:A:ARG:HA	1:7:A:TYR:HD1	4	0.18
(1,79)	1:18:A:LYS:HD3	1:7:A:TYR:HE2	12	0.18
(1,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD1	14	0.18
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	19	0.18
(1,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB3	9	0.18
(1,70)	1:30:A:ILE:HD13	1:35:A:ASN:HB2	22	0.18
(1,69)	1:30:A:ILE:HD12	1:23:A:CYS:HB2	3	0.18
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	13	0.18
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	12	0.18
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	13	0.18
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	20	0.18
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	22	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	4	0.18
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	7	0.18
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	13	0.18
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	17	0.18
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	19	0.18
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	21	0.18
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	22	0.18
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	22	0.18
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	3	0.18
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	15	0.18
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	16	0.18
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	2	0.18
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	8	0.18
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	9	0.18
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	11	0.18
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	17	0.18
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	22	0.18
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	8	0.18
(1,14)	1:41:A:SER:H	1:41:A:SER:HB3	15	0.18
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	1	0.18
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	2	0.18
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	15	0.18
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD1	16	0.18
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE2	1	0.17
(3,75)	1:25:A:LYS:HG2	1:25:A:LYS:HE2	4	0.17
(3,75)	1:25:A:LYS:HG3	1:25:A:LYS:HE3	21	0.17
(3,75)	1:25:A:LYS:HG3	1:25:A:LYS:HE2	24	0.17
(3,72)	1:36:A:ILE:HA	1:36:A:ILE:HB	11	0.17
(3,64)	1:42:A:CYS:H	1:43:A:PHE:H	13	0.17
(3,56)	1:42:A:CYS:HB2	1:43:A:PHE:HD1	7	0.17
(3,49)	1:25:A:LYS:HD2	1:43:A:PHE:HD2	19	0.17
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	20	0.17
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE3	19	0.17
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	4	0.17
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB2	22	0.17
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG22	15	0.17
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG23	18	0.17
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB2	11	0.17
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB2	18	0.17
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB3	1	0.17
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB3	12	0.17
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG13	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,5)	1:25:A:LYS:HA	1:25:A:LYS:HG2	21	0.17
(3,4)	1:43:A:PHE:HA	1:43:A:PHE:HD2	2	0.17
(3,3)	1:43:A:PHE:HB2	1:43:A:PHE:HD2	15	0.17
(3,3)	1:43:A:PHE:HB3	1:43:A:PHE:HD2	24	0.17
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	10	0.17
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	12	0.17
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	17	0.17
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	18	0.17
(2,647)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	19	0.17
(2,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	3	0.17
(2,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	5	0.17
(2,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	6	0.17
(2,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	12	0.17
(2,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	14	0.17
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	7	0.17
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG23	12	0.17
(2,620)	1:18:A:LYS:HA	1:18:A:LYS:HB3	9	0.17
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG2	7	0.17
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG2	15	0.17
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	5	0.17
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	11	0.17
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	3	0.17
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	4	0.17
(2,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	1	0.17
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	20	0.17
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	7	0.17
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	15	0.17
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	10	0.17
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	7	0.17
(2,591)	1:18:A:LYS:HG2	1:7:A:TYR:HE1	10	0.17
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	23	0.17
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	21	0.17
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	2	0.17
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	24	0.17
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE2	8	0.17
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	18	0.17
(2,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	6	0.17
(2,560)	1:32:A:ARG:HB3	1:20:A:ASN:HD22	24	0.17
(2,550)	1:10:A:TYR:H	1:8:A:CYS:HA	17	0.17
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	17	0.17
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	11	0.17
(2,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD2	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	19	0.17
(2,535)	1:21:A:ALA:H	1:30:A:ILE:H	3	0.17
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	2	0.17
(2,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	21	0.17
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	1	0.17
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	6	0.17
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	10	0.17
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	11	0.17
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	12	0.17
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	13	0.17
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	15	0.17
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	16	0.17
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	18	0.17
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	24	0.17
(2,516)	1:9:A:THR:HA	1:9:A:THR:HG22	11	0.17
(2,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	7	0.17
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	14	0.17
(2,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	14	0.17
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	1	0.17
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	9	0.17
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	7	0.17
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	14	0.17
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	16	0.17
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	12	0.17
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	5	0.17
(2,490)	1:5:A:ARG:H	1:6:A:THR:H	19	0.17
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	4	0.17
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	7	0.17
(2,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	17	0.17
(2,475)	1:21:A:ALA:HB3	1:30:A:ILE:HG13	1	0.17
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	11	0.17
(2,466)	1:23:A:CYS:HA	1:23:A:CYS:HB2	10	0.17
(2,459)	1:37:A:ASP:HA	1:30:A:ILE:HG12	21	0.17
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	9	0.17
(2,450)	1:9:A:THR:H	1:30:A:ILE:HA	18	0.17
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	2	0.17
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	24	0.17
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	3	0.17
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	6	0.17
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	21	0.17
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	6	0.17
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB2	18	0.17
(2,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	17	0.17
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	22	0.17
(2,400)	1:16:A:ARG:HB2	1:16:A:ARG:HD3	1	0.17
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	3	0.17
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	14	0.17
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	20	0.17
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	21	0.17
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	23	0.17
(2,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	9	0.17
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	10	0.17
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	11	0.17
(2,392)	1:37:A:ASP:H	1:21:A:ALA:HB1	21	0.17
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	16	0.17
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	10	0.17
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB3	3	0.17
(2,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	15	0.17
(2,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	16	0.17
(2,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	22	0.17
(2,352)	1:40:A:GLN:H	1:42:A:CYS:H	11	0.17
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	6	0.17
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	8	0.17
(2,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	8	0.17
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	3	0.17
(2,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	7	0.17
(2,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	16	0.17
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	17	0.17
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD11	6	0.17
(2,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	15	0.17
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	14	0.17
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	21	0.17
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	22	0.17
(2,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	8	0.17
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	4	0.17
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB1	16	0.17
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	24	0.17
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	1	0.17
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	13	0.17
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	19	0.17
(2,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	11	0.17
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	17	0.17
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	18	0.17
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	23	0.17
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG21	22	0.17
(2,242)	1:6:A:THR:HA	1:29:A:VAL:HG22	7	0.17
(2,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG3	1	0.17
(2,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	5	0.17
(2,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG2	22	0.17
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	23	0.17
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	5	0.17
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	5	0.17
(2,227)	1:15:A:ILE:H	1:15:A:ILE:HB	11	0.17
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD2	9	0.17
(2,223)	1:14:A:LYS:H	1:13:A:SER:HB2	5	0.17
(2,223)	1:14:A:LYS:H	1:13:A:SER:HB2	15	0.17
(2,218)	1:15:A:ILE:HG23	1:15:A:ILE:HG12	5	0.17
(2,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	6	0.17
(2,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	19	0.17
(2,218)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	23	0.17
(2,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	3	0.17
(2,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	12	0.17
(2,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	24	0.17
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	4	0.17
(2,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE2	6	0.17
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	5	0.17
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	12	0.17
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	6	0.17
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	17	0.17
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	5	0.17
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	11	0.17
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB2	9	0.17
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB3	23	0.17
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	1	0.17
(2,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	7	0.17
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	12	0.17
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	16	0.17
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB3	16	0.17
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	14	0.17
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	23	0.17
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	4	0.17
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	11	0.17
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	3	0.17
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	14	0.17
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB2	22	0.17
(2,127)	1:38:A:MET:H	1:38:A:MET:HB2	21	0.17
(2,117)	1:34:A:HIS:H	1:33:A:GLU:HA	18	0.17
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	1	0.17
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	14	0.17
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	10	0.17
(2,113)	1:28:A:LYS:H	1:27:A:LYS:HA	7	0.17
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	8	0.17
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	9	0.17
(2,112)	1:27:A:LYS:H	1:27:A:LYS:HA	11	0.17
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	7	0.17
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	17	0.17
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	18	0.17
(2,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	1	0.17
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	3	0.17
(2,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	17	0.17
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE1	9	0.17
(2,68)	1:30:A:ILE:HB	1:30:A:ILE:HD13	7	0.17
(2,68)	1:30:A:ILE:HB	1:30:A:ILE:HD13	23	0.17
(2,66)	1:22:A:SER:H	1:21:A:ALA:HA	15	0.17
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	21	0.17
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	2	0.17
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	5	0.17
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	12	0.17
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	14	0.17
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	15	0.17
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	20	0.17
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	23	0.17
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	1	0.17
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	8	0.17
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	9	0.17
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	12	0.17
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	13	0.17
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	24	0.17
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	12	0.17
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	16	0.17
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	4	0.17
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	16	0.17
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	21	0.17
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	21	0.17
(2,32)	1:9:A:THR:H	1:9:A:THR:HB	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB1	6	0.17
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	7	0.17
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB1	9	0.17
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	18	0.17
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	24	0.17
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB3	4	0.17
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB2	12	0.17
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB2	20	0.17
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	4	0.17
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	12	0.17
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	21	0.17
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	23	0.17
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	6	0.17
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	24	0.17
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	5	0.17
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	10	0.17
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	12	0.17
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	17	0.17
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	18	0.17
(1,647)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	19	0.17
(1,645)	1:4:A:LYS:HB2	1:4:A:LYS:HG3	3	0.17
(1,637)	1:3:A:LYS:HB3	1:3:A:LYS:HD2	5	0.17
(1,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	6	0.17
(1,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	12	0.17
(1,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	14	0.17
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	7	0.17
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG23	12	0.17
(1,620)	1:18:A:LYS:HA	1:18:A:LYS:HB3	9	0.17
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG2	7	0.17
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG2	15	0.17
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	5	0.17
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	11	0.17
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	3	0.17
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	4	0.17
(1,605)	1:14:A:LYS:H	1:14:A:LYS:HG2	1	0.17
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	20	0.17
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	7	0.17
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	15	0.17
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	10	0.17
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	7	0.17
(1,591)	1:18:A:LYS:HG2	1:7:A:TYR:HE1	10	0.17
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE2	23	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	21	0.17
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	2	0.17
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	24	0.17
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE2	8	0.17
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	18	0.17
(1,561)	1:39:A:CYS:HA	1:23:A:CYS:HB2	6	0.17
(1,560)	1:32:A:ARG:HB3	1:20:A:ASN:HD22	24	0.17
(1,550)	1:10:A:TYR:H	1:8:A:CYS:HA	17	0.17
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	17	0.17
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	11	0.17
(1,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD2	17	0.17
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	19	0.17
(1,535)	1:21:A:ALA:H	1:30:A:ILE:H	3	0.17
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	2	0.17
(1,520)	1:40:A:GLN:HB2	1:40:A:GLN:HG3	21	0.17
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	1	0.17
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	6	0.17
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	10	0.17
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	11	0.17
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	12	0.17
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	13	0.17
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	15	0.17
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	16	0.17
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	18	0.17
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	24	0.17
(1,516)	1:9:A:THR:HA	1:9:A:THR:HG22	11	0.17
(1,513)	1:40:A:GLN:HA	1:40:A:GLN:HB3	7	0.17
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	14	0.17
(1,509)	1:18:A:LYS:HA	1:7:A:TYR:HB3	14	0.17
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	1	0.17
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	9	0.17
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	7	0.17
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	14	0.17
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	16	0.17
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	12	0.17
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	5	0.17
(1,490)	1:5:A:ARG:H	1:6:A:THR:H	19	0.17
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	4	0.17
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	7	0.17
(1,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	17	0.17
(1,475)	1:21:A:ALA:HB3	1:30:A:ILE:HG13	1	0.17
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,466)	1:23:A:CYS:HA	1:23:A:CYS:HB2	10	0.17
(1,459)	1:37:A:ASP:HA	1:30:A:ILE:HG12	21	0.17
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	9	0.17
(1,450)	1:9:A:THR:H	1:30:A:ILE:HA	18	0.17
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	2	0.17
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	24	0.17
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	3	0.17
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	6	0.17
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	21	0.17
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	6	0.17
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	6	0.17
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB2	18	0.17
(1,404)	1:9:A:THR:HG21	1:28:A:LYS:HB3	17	0.17
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD11	22	0.17
(1,400)	1:16:A:ARG:HB2	1:16:A:ARG:HD3	1	0.17
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	3	0.17
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	14	0.17
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	20	0.17
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	21	0.17
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	23	0.17
(1,395)	1:33:A:GLU:H	1:33:A:GLU:HG3	9	0.17
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	10	0.17
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	11	0.17
(1,392)	1:37:A:ASP:H	1:21:A:ALA:HB1	21	0.17
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	16	0.17
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	10	0.17
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB3	3	0.17
(1,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	15	0.17
(1,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	16	0.17
(1,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	22	0.17
(1,352)	1:40:A:GLN:H	1:42:A:CYS:H	11	0.17
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	6	0.17
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	8	0.17
(1,337)	1:18:A:LYS:H	1:17:A:ARG:HG3	8	0.17
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	3	0.17
(1,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	7	0.17
(1,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	16	0.17
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	17	0.17
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD11	6	0.17
(1,321)	1:39:A:CYS:H	1:23:A:CYS:HB3	15	0.17
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	14	0.17
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	21	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	22	0.17
(1,293)	1:30:A:ILE:HA	1:30:A:ILE:HG12	8	0.17
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	4	0.17
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB1	16	0.17
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	24	0.17
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	1	0.17
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	13	0.17
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	19	0.17
(1,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	11	0.17
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	17	0.17
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	10	0.17
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	18	0.17
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	23	0.17
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG21	22	0.17
(1,242)	1:6:A:THR:HA	1:29:A:VAL:HG22	7	0.17
(1,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG3	1	0.17
(1,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	5	0.17
(1,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG2	22	0.17
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	23	0.17
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	5	0.17
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	5	0.17
(1,227)	1:15:A:ILE:H	1:15:A:ILE:HB	11	0.17
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD2	9	0.17
(1,223)	1:14:A:LYS:H	1:13:A:SER:HB2	5	0.17
(1,223)	1:14:A:LYS:H	1:13:A:SER:HB2	15	0.17
(1,218)	1:15:A:ILE:HG23	1:15:A:ILE:HG12	5	0.17
(1,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	6	0.17
(1,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	19	0.17
(1,218)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	23	0.17
(1,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	3	0.17
(1,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	12	0.17
(1,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	24	0.17
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	4	0.17
(1,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE2	6	0.17
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	5	0.17
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	12	0.17
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	6	0.17
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	17	0.17
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	5	0.17
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	11	0.17
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB2	9	0.17
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB3	23	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	1	0.17
(1,151)	1:16:A:ARG:HA	1:16:A:ARG:HD2	7	0.17
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	12	0.17
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	16	0.17
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB3	16	0.17
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	14	0.17
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	23	0.17
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	4	0.17
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	11	0.17
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	3	0.17
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	5	0.17
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	14	0.17
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB2	22	0.17
(1,127)	1:38:A:MET:H	1:38:A:MET:HB2	21	0.17
(1,117)	1:34:A:HIS:H	1:33:A:GLU:HA	18	0.17
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	1	0.17
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG2	14	0.17
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	10	0.17
(1,113)	1:28:A:LYS:H	1:27:A:LYS:HA	7	0.17
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	8	0.17
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	9	0.17
(1,112)	1:27:A:LYS:H	1:27:A:LYS:HA	11	0.17
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	7	0.17
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	17	0.17
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	18	0.17
(1,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	1	0.17
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD3	3	0.17
(1,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	17	0.17
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE1	9	0.17
(1,68)	1:30:A:ILE:HB	1:30:A:ILE:HD13	7	0.17
(1,68)	1:30:A:ILE:HB	1:30:A:ILE:HD13	23	0.17
(1,66)	1:22:A:SER:H	1:21:A:ALA:HA	15	0.17
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	21	0.17
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	2	0.17
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	5	0.17
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	12	0.17
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	14	0.17
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	15	0.17
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	20	0.17
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	23	0.17
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	1	0.17
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	9	0.17
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	12	0.17
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	13	0.17
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	24	0.17
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	12	0.17
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	16	0.17
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	4	0.17
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	16	0.17
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	21	0.17
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	21	0.17
(1,32)	1:9:A:THR:H	1:9:A:THR:HB	11	0.17
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB1	6	0.17
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	7	0.17
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB1	9	0.17
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	18	0.17
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	24	0.17
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB3	4	0.17
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB2	12	0.17
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB2	20	0.17
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	4	0.17
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	12	0.17
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	21	0.17
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	23	0.17
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG2	6	0.17
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	24	0.17
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	5	0.17
(3,94)	1:25:A:LYS:H	1:26:A:CYS:H	9	0.16
(3,91)	1:36:A:ILE:HD12	1:38:A:MET:HG3	8	0.16
(3,85)	1:25:A:LYS:H	1:43:A:PHE:HE2	23	0.16
(3,75)	1:25:A:LYS:HG2	1:25:A:LYS:HE3	12	0.16
(3,75)	1:25:A:LYS:HG3	1:25:A:LYS:HE2	20	0.16
(3,75)	1:25:A:LYS:HG3	1:25:A:LYS:HE2	22	0.16
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG21	7	0.16
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE3	7	0.16
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE2	21	0.16
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	17	0.16
(3,33)	1:25:A:LYS:H	1:23:A:CYS:HA	24	0.16
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB3	11	0.16
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	2	0.16
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	4	0.16
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	8	0.16
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	12	0.16
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	14	0.16
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	18	0.16
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	20	0.16
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG23	10	0.16
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB3	16	0.16
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB3	19	0.16
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG23	20	0.16
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG21	21	0.16
(3,10)	1:36:A:ILE:HG23	1:36:A:ILE:HG12	7	0.16
(3,5)	1:25:A:LYS:HA	1:25:A:LYS:HG2	24	0.16
(3,3)	1:43:A:PHE:HB3	1:43:A:PHE:HD2	10	0.16
(3,3)	1:43:A:PHE:HB3	1:43:A:PHE:HD2	12	0.16
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	4	0.16
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	14	0.16
(2,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	1	0.16
(2,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	2	0.16
(2,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	6	0.16
(2,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	8	0.16
(2,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	9	0.16
(2,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	12	0.16
(2,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	13	0.16
(2,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	22	0.16
(2,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	5	0.16
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	2	0.16
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	5	0.16
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	14	0.16
(2,628)	1:9:A:THR:HG21	1:28:A:LYS:HD2	2	0.16
(2,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE2	24	0.16
(2,624)	1:14:A:LYS:HG2	1:14:A:LYS:HE3	6	0.16
(2,620)	1:18:A:LYS:HA	1:18:A:LYS:HB3	3	0.16
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	24	0.16
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	12	0.16
(2,614)	1:24:A:LYS:HA	1:24:A:LYS:HB3	2	0.16
(2,614)	1:24:A:LYS:HA	1:24:A:LYS:HB3	14	0.16
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD2	19	0.16
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	10	0.16
(2,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	23	0.16
(2,604)	1:14:A:LYS:H	1:14:A:LYS:HD2	17	0.16
(2,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	14	0.16
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	12	0.16
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	24	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	5	0.16
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	6	0.16
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	18	0.16
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	21	0.16
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	4	0.16
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	1	0.16
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	3	0.16
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	18	0.16
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	7	0.16
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	8	0.16
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	14	0.16
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	15	0.16
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	16	0.16
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	20	0.16
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	21	0.16
(2,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	6	0.16
(2,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	17	0.16
(2,550)	1:10:A:TYR:H	1:8:A:CYS:HA	23	0.16
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	2	0.16
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	14	0.16
(2,535)	1:21:A:ALA:H	1:30:A:ILE:H	24	0.16
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	5	0.16
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	15	0.16
(2,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD12	20	0.16
(2,528)	1:30:A:ILE:HG23	1:30:A:ILE:HG12	24	0.16
(2,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	4	0.16
(2,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	13	0.16
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	2	0.16
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	5	0.16
(2,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	8	0.16
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	4	0.16
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	9	0.16
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	12	0.16
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	11	0.16
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	12	0.16
(2,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	22	0.16
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	23	0.16
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	6	0.16
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG21	2	0.16
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	14	0.16
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	6	0.16
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	8	0.16
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	2	0.16
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	18	0.16
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	22	0.16
(2,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	24	0.16
(2,403)	1:9:A:THR:HG22	1:28:A:LYS:HE2	15	0.16
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	9	0.16
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	23	0.16
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	19	0.16
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	21	0.16
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD11	20	0.16
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD12	23	0.16
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	9	0.16
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	23	0.16
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG22	11	0.16
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	14	0.16
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	21	0.16
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB2	5	0.16
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	7	0.16
(2,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	8	0.16
(2,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	14	0.16
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	7	0.16
(2,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	14	0.16
(2,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	21	0.16
(2,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD3	4	0.16
(2,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD2	17	0.16
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	22	0.16
(2,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD2	24	0.16
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD13	2	0.16
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	23	0.16
(2,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	5	0.16
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	4	0.16
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	6	0.16
(2,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	15	0.16
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	21	0.16
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB3	7	0.16
(2,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	2	0.16
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB1	6	0.16
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG22	6	0.16
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG22	20	0.16
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	19	0.16
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	13	0.16
(2,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	21	0.16
(2,257)	1:4:A:LYS:H	1:3:A:LYS:HA	4	0.16
(2,256)	1:5:A:ARG:H	1:4:A:LYS:HB3	7	0.16
(2,251)	1:13:A:SER:H	1:12:A:PRO:HB2	5	0.16
(2,251)	1:13:A:SER:H	1:12:A:PRO:HB2	16	0.16
(2,251)	1:13:A:SER:H	1:12:A:PRO:HB3	21	0.16
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	16	0.16
(2,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	11	0.16
(2,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG2	15	0.16
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	22	0.16
(2,233)	1:19:A:ALA:H	1:7:A:TYR:HA	24	0.16
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD11	6	0.16
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG23	1	0.16
(2,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	8	0.16
(2,218)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	17	0.16
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	4	0.16
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	13	0.16
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	22	0.16
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	8	0.16
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	24	0.16
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	17	0.16
(2,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE3	11	0.16
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	1	0.16
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	15	0.16
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	6	0.16
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	21	0.16
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	3	0.16
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB3	15	0.16
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	8	0.16
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB3	3	0.16
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB3	7	0.16
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB2	21	0.16
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	23	0.16
(2,144)	1:11:A:CYS:H	1:10:A:TYR:HB2	14	0.16
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	7	0.16
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	4	0.16
(2,141)	1:16:A:ARG:H	1:16:A:ARG:HA	11	0.16
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB2	23	0.16
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	6	0.16
(2,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	5	0.16
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	4	0.16
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG3	2	0.16
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG3	17	0.16
(2,113)	1:28:A:LYS:H	1:27:A:LYS:HA	10	0.16
(2,107)	1:32:A:ARG:HB2	1:32:A:ARG:HD2	21	0.16
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	15	0.16
(2,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE1	16	0.16
(2,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	5	0.16
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	22	0.16
(2,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD1	8	0.16
(2,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD1	19	0.16
(2,75)	1:30:A:ILE:HG23	1:10:A:TYR:HD1	21	0.16
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	9	0.16
(2,69)	1:30:A:ILE:HD13	1:23:A:CYS:HB2	1	0.16
(2,68)	1:30:A:ILE:HB	1:30:A:ILE:HD13	11	0.16
(2,65)	1:22:A:SER:H	1:21:A:ALA:HB2	17	0.16
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	6	0.16
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	8	0.16
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	17	0.16
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	19	0.16
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	8	0.16
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	9	0.16
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	11	0.16
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	4	0.16
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	20	0.16
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	21	0.16
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	7	0.16
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	3	0.16
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	7	0.16
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	24	0.16
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	5	0.16
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	11	0.16
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	1	0.16
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	2	0.16
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	14	0.16
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	18	0.16
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	2	0.16
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	11	0.16
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	4	0.16
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	21	0.16
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	23	0.16
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB3	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:41:A:SER:HA	1:41:A:SER:HB3	11	0.16
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	24	0.16
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	18	0.16
(2,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	7	0.16
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	5	0.16
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	12	0.16
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	14	0.16
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	22	0.16
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	3	0.16
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	4	0.16
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	14	0.16
(1,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	1	0.16
(1,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	2	0.16
(1,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	6	0.16
(1,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	8	0.16
(1,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	9	0.16
(1,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	12	0.16
(1,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	13	0.16
(1,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	22	0.16
(1,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	5	0.16
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	2	0.16
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	5	0.16
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	14	0.16
(1,628)	1:9:A:THR:HG21	1:28:A:LYS:HD2	2	0.16
(1,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE2	24	0.16
(1,624)	1:14:A:LYS:HG2	1:14:A:LYS:HE3	6	0.16
(1,620)	1:18:A:LYS:HA	1:18:A:LYS:HB3	3	0.16
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	24	0.16
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD2	12	0.16
(1,614)	1:24:A:LYS:HA	1:24:A:LYS:HB3	2	0.16
(1,614)	1:24:A:LYS:HA	1:24:A:LYS:HB3	14	0.16
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD2	19	0.16
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	10	0.16
(1,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	23	0.16
(1,604)	1:14:A:LYS:H	1:14:A:LYS:HD2	17	0.16
(1,599)	1:24:A:LYS:H	1:24:A:LYS:HD3	14	0.16
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	12	0.16
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	24	0.16
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	5	0.16
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	6	0.16
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	18	0.16
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	21	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	4	0.16
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	1	0.16
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	3	0.16
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	18	0.16
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	7	0.16
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	8	0.16
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	14	0.16
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	15	0.16
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	16	0.16
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	20	0.16
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	21	0.16
(1,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	6	0.16
(1,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	17	0.16
(1,550)	1:10:A:TYR:H	1:8:A:CYS:HA	23	0.16
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	2	0.16
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	14	0.16
(1,535)	1:21:A:ALA:H	1:30:A:ILE:H	24	0.16
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	5	0.16
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	15	0.16
(1,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD12	20	0.16
(1,528)	1:30:A:ILE:HG23	1:30:A:ILE:HG12	24	0.16
(1,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	4	0.16
(1,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	13	0.16
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	2	0.16
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	5	0.16
(1,517)	1:12:A:PRO:HB3	1:12:A:PRO:HG2	8	0.16
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	4	0.16
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	9	0.16
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD13	12	0.16
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	11	0.16
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	12	0.16
(1,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	22	0.16
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	23	0.16
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	6	0.16
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG21	2	0.16
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	14	0.16
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	6	0.16
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	16	0.16
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	8	0.16
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	2	0.16
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	18	0.16
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	22	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,411)	1:8:A:CYS:HA	1:29:A:VAL:HB	24	0.16
(1,403)	1:9:A:THR:HG22	1:28:A:LYS:HE2	15	0.16
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	9	0.16
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	23	0.16
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	19	0.16
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	21	0.16
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD11	20	0.16
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD12	23	0.16
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	9	0.16
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	23	0.16
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG22	11	0.16
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	14	0.16
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	21	0.16
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB2	5	0.16
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	7	0.16
(1,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	8	0.16
(1,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	14	0.16
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	7	0.16
(1,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	14	0.16
(1,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	21	0.16
(1,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD3	4	0.16
(1,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD2	17	0.16
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	22	0.16
(1,333)	1:17:A:ARG:HB2	1:17:A:ARG:HD2	24	0.16
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD13	2	0.16
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	23	0.16
(1,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	5	0.16
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	4	0.16
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	6	0.16
(1,289)	1:27:A:LYS:H	1:26:A:CYS:HB2	15	0.16
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	21	0.16
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB3	7	0.16
(1,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	2	0.16
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB1	6	0.16
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG22	6	0.16
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG22	20	0.16
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	19	0.16
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD2	17	0.16
(1,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	13	0.16
(1,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	21	0.16
(1,257)	1:4:A:LYS:H	1:3:A:LYS:HA	4	0.16
(1,256)	1:5:A:ARG:H	1:4:A:LYS:HB3	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,251)	1:13:A:SER:H	1:12:A:PRO:HB2	5	0.16
(1,251)	1:13:A:SER:H	1:12:A:PRO:HB2	16	0.16
(1,251)	1:13:A:SER:H	1:12:A:PRO:HB3	21	0.16
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD13	16	0.16
(1,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	11	0.16
(1,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG2	15	0.16
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	22	0.16
(1,233)	1:19:A:ALA:H	1:7:A:TYR:HA	24	0.16
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD11	6	0.16
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG23	1	0.16
(1,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	8	0.16
(1,218)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	17	0.16
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	4	0.16
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	13	0.16
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	22	0.16
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	8	0.16
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	24	0.16
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	17	0.16
(1,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE3	11	0.16
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	1	0.16
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	15	0.16
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	6	0.16
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	21	0.16
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	3	0.16
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB3	15	0.16
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	8	0.16
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB3	3	0.16
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB3	7	0.16
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB2	21	0.16
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	23	0.16
(1,144)	1:11:A:CYS:H	1:10:A:TYR:HB2	14	0.16
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	7	0.16
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	4	0.16
(1,141)	1:16:A:ARG:H	1:16:A:ARG:HA	11	0.16
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB2	23	0.16
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	6	0.16
(1,136)	1:19:A:ALA:H	1:18:A:LYS:HB3	5	0.16
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	7	0.16
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	4	0.16
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG3	2	0.16
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG3	17	0.16
(1,113)	1:28:A:LYS:H	1:27:A:LYS:HA	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:32:A:ARG:HB2	1:32:A:ARG:HD2	21	0.16
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	15	0.16
(1,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE1	16	0.16
(1,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	5	0.16
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	22	0.16
(1,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD1	8	0.16
(1,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD1	19	0.16
(1,75)	1:30:A:ILE:HG23	1:10:A:TYR:HD1	21	0.16
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	9	0.16
(1,69)	1:30:A:ILE:HD13	1:23:A:CYS:HB2	1	0.16
(1,68)	1:30:A:ILE:HB	1:30:A:ILE:HD13	11	0.16
(1,65)	1:22:A:SER:H	1:21:A:ALA:HB2	17	0.16
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	6	0.16
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	8	0.16
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	17	0.16
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	19	0.16
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	8	0.16
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	9	0.16
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	11	0.16
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	4	0.16
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	20	0.16
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	21	0.16
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	7	0.16
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	3	0.16
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	7	0.16
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	24	0.16
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	5	0.16
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	11	0.16
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	1	0.16
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	2	0.16
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	14	0.16
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	18	0.16
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	2	0.16
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	11	0.16
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	4	0.16
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	21	0.16
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	23	0.16
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB3	7	0.16
(1,15)	1:41:A:SER:HA	1:41:A:SER:HB3	11	0.16
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	24	0.16
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB3	18	0.16
(1,11)	1:40:A:GLN:H	1:40:A:GLN:HG3	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	5	0.16
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	12	0.16
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	14	0.16
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	22	0.16
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	3	0.16
(3,96)	1:25:A:LYS:H	1:24:A:LYS:HG2	20	0.15
(3,75)	1:25:A:LYS:HG2	1:25:A:LYS:HE3	6	0.15
(3,75)	1:25:A:LYS:HG2	1:25:A:LYS:HE3	9	0.15
(3,75)	1:25:A:LYS:HG3	1:25:A:LYS:HE3	10	0.15
(3,75)	1:25:A:LYS:HG3	1:25:A:LYS:HE3	17	0.15
(3,48)	1:43:A:PHE:H	1:25:A:LYS:HD2	11	0.15
(3,45)	1:36:A:ILE:H	1:37:A:ASP:H	13	0.15
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB3	7	0.15
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG21	3	0.15
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG22	23	0.15
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	6	0.15
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	16	0.15
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	22	0.15
(3,20)	1:36:A:ILE:H	1:36:A:ILE:HA	24	0.15
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	20	0.15
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB3	3	0.15
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB3	23	0.15
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG13	19	0.15
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG21	1	0.15
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG22	2	0.15
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG21	5	0.15
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG22	6	0.15
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG22	8	0.15
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG23	11	0.15
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG23	14	0.15
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG22	16	0.15
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG21	17	0.15
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG22	22	0.15
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG23	24	0.15
(3,10)	1:36:A:ILE:HG22	1:36:A:ILE:HG12	11	0.15
(3,5)	1:25:A:LYS:HA	1:25:A:LYS:HG3	9	0.15
(3,3)	1:43:A:PHE:HB3	1:43:A:PHE:HD1	20	0.15
(3,3)	1:43:A:PHE:HB2	1:43:A:PHE:HD1	21	0.15
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	1	0.15
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	8	0.15
(2,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	4	0.15
(2,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	14	0.15
(2,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	18	0.15
(2,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	2	0.15
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	18	0.15
(2,632)	1:29:A:VAL:HG13	1:5:A:ARG:HG2	2	0.15
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG11	10	0.15
(2,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	20	0.15
(2,624)	1:14:A:LYS:HG2	1:14:A:LYS:HE3	21	0.15
(2,623)	1:14:A:LYS:HA	1:14:A:LYS:HG3	19	0.15
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	18	0.15
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	22	0.15
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	5	0.15
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	9	0.15
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	19	0.15
(2,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	16	0.15
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB3	4	0.15
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB3	20	0.15
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	13	0.15
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	7	0.15
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	5	0.15
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	1	0.15
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	3	0.15
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	4	0.15
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	5	0.15
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	6	0.15
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	9	0.15
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	11	0.15
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	13	0.15
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	17	0.15
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	18	0.15
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	21	0.15
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	2	0.15
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	3	0.15
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	18	0.15
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	23	0.15
(2,529)	1:30:A:ILE:HG21	1:30:A:ILE:HD11	10	0.15
(2,528)	1:30:A:ILE:HG23	1:30:A:ILE:HG12	16	0.15
(2,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	24	0.15
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	23	0.15
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG22	1	0.15
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG23	6	0.15
(2,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	2	0.15
(2,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	13	0.15
(2,500)	1:22:A:SER:HA	1:29:A:VAL:HA	10	0.15
(2,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE2	1	0.15
(2,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	13	0.15
(2,475)	1:21:A:ALA:HB3	1:30:A:ILE:HG12	4	0.15
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	12	0.15
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	11	0.15
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	10	0.15
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	3	0.15
(2,436)	1:9:A:THR:H	1:10:A:TYR:HD1	10	0.15
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	4	0.15
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	11	0.15
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	12	0.15
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	24	0.15
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	2	0.15
(2,417)	1:17:A:ARG:H	1:8:A:CYS:H	20	0.15
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	4	0.15
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	12	0.15
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB1	5	0.15
(2,403)	1:9:A:THR:HG22	1:28:A:LYS:HE2	4	0.15
(2,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD2	1	0.15
(2,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD3	2	0.15
(2,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD2	5	0.15
(2,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	14	0.15
(2,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	17	0.15
(2,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	18	0.15
(2,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	20	0.15
(2,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD2	24	0.15
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB2	7	0.15
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	13	0.15
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB2	16	0.15
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	24	0.15
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	15	0.15
(2,389)	1:39:A:CYS:H	1:30:A:ILE:HD13	16	0.15
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	5	0.15
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	18	0.15
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	2	0.15
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	22	0.15
(2,365)	1:30:A:ILE:HD11	1:39:A:CYS:HB3	20	0.15
(2,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	17	0.15
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,356)	1:19:A:ALA:HB1	1:8:A:CYS:HB2	4	0.15
(2,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	4	0.15
(2,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	6	0.15
(2,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	7	0.15
(2,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	9	0.15
(2,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	13	0.15
(2,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	17	0.15
(2,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	19	0.15
(2,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD3	24	0.15
(2,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	2	0.15
(2,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD3	7	0.15
(2,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	8	0.15
(2,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	23	0.15
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	23	0.15
(2,333)	1:17:A:ARG:HB3	1:17:A:ARG:HD3	12	0.15
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	21	0.15
(2,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	19	0.15
(2,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	15	0.15
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	23	0.15
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	2	0.15
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	3	0.15
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	19	0.15
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB3	22	0.15
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	17	0.15
(2,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	22	0.15
(2,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	8	0.15
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	18	0.15
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	5	0.15
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	13	0.15
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	23	0.15
(2,265)	1:3:A:LYS:HG2	1:3:A:LYS:HE3	19	0.15
(2,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	9	0.15
(2,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	14	0.15
(2,251)	1:13:A:SER:H	1:12:A:PRO:HB2	8	0.15
(2,251)	1:13:A:SER:H	1:12:A:PRO:HB2	12	0.15
(2,251)	1:13:A:SER:H	1:12:A:PRO:HB2	18	0.15
(2,251)	1:13:A:SER:H	1:12:A:PRO:HB2	24	0.15
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	24	0.15
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	6	0.15
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	18	0.15
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG22	21	0.15
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	3	0.15
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD12	22	0.15
(2,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	12	0.15
(2,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG2	21	0.15
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	7	0.15
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB3	10	0.15
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD11	14	0.15
(2,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	4	0.15
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	3	0.15
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	7	0.15
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	16	0.15
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	19	0.15
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	23	0.15
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	22	0.15
(2,191)	1:10:A:TYR:H	1:9:A:THR:HB	6	0.15
(2,188)	1:41:A:SER:H	1:40:A:GLN:HG3	21	0.15
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	21	0.15
(2,186)	1:31:A:CYS:H	1:8:A:CYS:HA	20	0.15
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	20	0.15
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	8	0.15
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	16	0.15
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	19	0.15
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB2	7	0.15
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	15	0.15
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB2	2	0.15
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB2	14	0.15
(2,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	3	0.15
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	14	0.15
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	19	0.15
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	14	0.15
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	20	0.15
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB3	10	0.15
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	9	0.15
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	17	0.15
(2,132)	1:33:A:GLU:H	1:32:A:ARG:HA	21	0.15
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	1	0.15
(2,127)	1:38:A:MET:H	1:38:A:MET:HB2	1	0.15
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	11	0.15
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	20	0.15
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	12	0.15
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	13	0.15
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	2	0.15
(2,94)	1:38:A:MET:HB3	1:38:A:MET:HG3	16	0.15
(2,94)	1:38:A:MET:HB3	1:38:A:MET:HG3	21	0.15
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	17	0.15
(2,85)	1:34:A:HIS:HA	1:34:A:HIS:HD2	20	0.15
(2,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	22	0.15
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	19	0.15
(2,68)	1:30:A:ILE:HB	1:30:A:ILE:HD11	1	0.15
(2,65)	1:22:A:SER:H	1:21:A:ALA:HB2	4	0.15
(2,65)	1:22:A:SER:H	1:21:A:ALA:HB3	23	0.15
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	1	0.15
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	2	0.15
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	4	0.15
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	14	0.15
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	18	0.15
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	3	0.15
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	24	0.15
(2,60)	1:10:A:TYR:H	1:10:A:TYR:HA	17	0.15
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	5	0.15
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	11	0.15
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	8	0.15
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	19	0.15
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	20	0.15
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	18	0.15
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	23	0.15
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	10	0.15
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	12	0.15
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	17	0.15
(2,25)	1:19:A:ALA:H	1:19:A:ALA:HB3	14	0.15
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	3	0.15
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	9	0.15
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	16	0.15
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	20	0.15
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	21	0.15
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	24	0.15
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	11	0.15
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	20	0.15
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	9	0.15
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	13	0.15
(2,16)	1:41:A:SER:H	1:40:A:GLN:HA	18	0.15
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	6	0.15
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	22	0.15
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	10	0.15
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	7	0.15
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	1	0.15
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	8	0.15
(1,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	4	0.15
(1,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	5	0.15
(1,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	14	0.15
(1,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	18	0.15
(1,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	2	0.15
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	18	0.15
(1,632)	1:29:A:VAL:HG13	1:5:A:ARG:HG2	2	0.15
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG11	10	0.15
(1,625)	1:27:A:LYS:HG3	1:27:A:LYS:HE2	20	0.15
(1,624)	1:14:A:LYS:HG2	1:14:A:LYS:HE3	21	0.15
(1,623)	1:14:A:LYS:HA	1:14:A:LYS:HG3	19	0.15
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	18	0.15
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	22	0.15
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	5	0.15
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG2	9	0.15
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	19	0.15
(1,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	16	0.15
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB3	4	0.15
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB3	20	0.15
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	13	0.15
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	7	0.15
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	5	0.15
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	1	0.15
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	3	0.15
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	4	0.15
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	5	0.15
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	6	0.15
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	9	0.15
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	11	0.15
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	13	0.15
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	17	0.15
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	18	0.15
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	21	0.15
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	2	0.15
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	3	0.15
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	18	0.15
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	23	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,529)	1:30:A:ILE:HG21	1:30:A:ILE:HD11	10	0.15
(1,528)	1:30:A:ILE:HG23	1:30:A:ILE:HG12	16	0.15
(1,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	24	0.15
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	23	0.15
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG22	1	0.15
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG23	6	0.15
(1,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	7	0.15
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	2	0.15
(1,501)	1:28:A:LYS:HA	1:28:A:LYS:HB3	13	0.15
(1,500)	1:22:A:SER:HA	1:29:A:VAL:HA	10	0.15
(1,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE2	1	0.15
(1,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	13	0.15
(1,475)	1:21:A:ALA:HB3	1:30:A:ILE:HG12	4	0.15
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	12	0.15
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	11	0.15
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	10	0.15
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	3	0.15
(1,436)	1:9:A:THR:H	1:10:A:TYR:HD1	10	0.15
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	4	0.15
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	11	0.15
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	12	0.15
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	24	0.15
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	2	0.15
(1,417)	1:17:A:ARG:H	1:8:A:CYS:H	20	0.15
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	4	0.15
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	12	0.15
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB1	5	0.15
(1,403)	1:9:A:THR:HG22	1:28:A:LYS:HE2	4	0.15
(1,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD2	1	0.15
(1,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD3	2	0.15
(1,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD2	5	0.15
(1,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	14	0.15
(1,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	17	0.15
(1,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	18	0.15
(1,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	20	0.15
(1,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD2	24	0.15
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB2	7	0.15
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	13	0.15
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB2	16	0.15
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	24	0.15
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	15	0.15
(1,389)	1:39:A:CYS:H	1:30:A:ILE:HD13	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	5	0.15
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	18	0.15
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	2	0.15
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	22	0.15
(1,365)	1:30:A:ILE:HD11	1:39:A:CYS:HB3	20	0.15
(1,361)	1:29:A:VAL:HG11	1:22:A:SER:HB3	17	0.15
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	9	0.15
(1,356)	1:19:A:ALA:HB1	1:8:A:CYS:HB2	4	0.15
(1,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	4	0.15
(1,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	6	0.15
(1,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	7	0.15
(1,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	9	0.15
(1,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	13	0.15
(1,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	17	0.15
(1,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	19	0.15
(1,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD3	24	0.15
(1,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	2	0.15
(1,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD3	7	0.15
(1,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	8	0.15
(1,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	23	0.15
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	23	0.15
(1,333)	1:17:A:ARG:HB3	1:17:A:ARG:HD3	12	0.15
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	21	0.15
(1,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	19	0.15
(1,315)	1:15:A:ILE:HG21	1:11:A:CYS:HB3	15	0.15
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	23	0.15
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	2	0.15
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	3	0.15
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	19	0.15
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB3	22	0.15
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	17	0.15
(1,281)	1:9:A:THR:HB	1:10:A:TYR:HD1	22	0.15
(1,279)	1:32:A:ARG:HA	1:35:A:ASN:HB3	8	0.15
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	18	0.15
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	5	0.15
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	13	0.15
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	23	0.15
(1,265)	1:3:A:LYS:HG2	1:3:A:LYS:HE3	19	0.15
(1,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	9	0.15
(1,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	14	0.15
(1,251)	1:13:A:SER:H	1:12:A:PRO:HB2	8	0.15
(1,251)	1:13:A:SER:H	1:12:A:PRO:HB2	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,251)	1:13:A:SER:H	1:12:A:PRO:HB2	18	0.15
(1,251)	1:13:A:SER:H	1:12:A:PRO:HB2	24	0.15
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	24	0.15
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	6	0.15
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG23	18	0.15
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG22	21	0.15
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	18	0.15
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	3	0.15
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD12	22	0.15
(1,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	12	0.15
(1,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG2	21	0.15
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	7	0.15
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB3	10	0.15
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD11	14	0.15
(1,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	4	0.15
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	3	0.15
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	7	0.15
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	16	0.15
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	19	0.15
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	23	0.15
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	22	0.15
(1,191)	1:10:A:TYR:H	1:9:A:THR:HB	6	0.15
(1,188)	1:41:A:SER:H	1:40:A:GLN:HG3	21	0.15
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	21	0.15
(1,186)	1:31:A:CYS:H	1:8:A:CYS:HA	20	0.15
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	20	0.15
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	8	0.15
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	16	0.15
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	19	0.15
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB2	7	0.15
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	15	0.15
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB2	2	0.15
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB2	14	0.15
(1,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	3	0.15
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	14	0.15
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	19	0.15
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	14	0.15
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	20	0.15
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB3	10	0.15
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	9	0.15
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	17	0.15
(1,132)	1:33:A:GLU:H	1:32:A:ARG:HA	21	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	1	0.15
(1,127)	1:38:A:MET:H	1:38:A:MET:HB2	1	0.15
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	11	0.15
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	20	0.15
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	12	0.15
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	13	0.15
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	6	0.15
(1,99)	1:37:A:ASP:HA	1:35:A:ASN:HB2	2	0.15
(1,94)	1:38:A:MET:HB3	1:38:A:MET:HG3	16	0.15
(1,94)	1:38:A:MET:HB3	1:38:A:MET:HG3	21	0.15
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	17	0.15
(1,85)	1:34:A:HIS:HA	1:34:A:HIS:HD2	20	0.15
(1,78)	1:18:A:LYS:HD2	1:7:A:TYR:HD2	22	0.15
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	19	0.15
(1,68)	1:30:A:ILE:HB	1:30:A:ILE:HD11	1	0.15
(1,65)	1:22:A:SER:H	1:21:A:ALA:HB2	4	0.15
(1,65)	1:22:A:SER:H	1:21:A:ALA:HB3	23	0.15
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	1	0.15
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	2	0.15
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	4	0.15
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	14	0.15
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	18	0.15
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	3	0.15
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	24	0.15
(1,60)	1:10:A:TYR:H	1:10:A:TYR:HA	17	0.15
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	5	0.15
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	11	0.15
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	8	0.15
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	19	0.15
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	20	0.15
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	18	0.15
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	23	0.15
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	10	0.15
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	12	0.15
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	17	0.15
(1,25)	1:19:A:ALA:H	1:19:A:ALA:HB3	14	0.15
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	3	0.15
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	9	0.15
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	16	0.15
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	20	0.15
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	21	0.15
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	24	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	11	0.15
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	20	0.15
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	9	0.15
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	13	0.15
(1,16)	1:41:A:SER:H	1:40:A:GLN:HA	18	0.15
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	6	0.15
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	14	0.15
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	22	0.15
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	10	0.15
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	7	0.15
(3,76)	1:25:A:LYS:HB3	1:25:A:LYS:HD3	8	0.14
(3,76)	1:25:A:LYS:HB2	1:25:A:LYS:HD2	19	0.14
(3,72)	1:36:A:ILE:HA	1:36:A:ILE:HB	23	0.14
(3,67)	1:25:A:LYS:HB2	1:43:A:PHE:HE2	9	0.14
(3,49)	1:25:A:LYS:HD3	1:43:A:PHE:HD1	17	0.14
(3,46)	1:25:A:LYS:H	1:27:A:LYS:H	3	0.14
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG22	6	0.14
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG22	9	0.14
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG21	19	0.14
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD12	16	0.14
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	19	0.14
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB2	24	0.14
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB3	5	0.14
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG13	7	0.14
(3,12)	1:36:A:ILE:HB	1:36:A:ILE:HD11	19	0.14
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG23	4	0.14
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG21	7	0.14
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG21	12	0.14
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG23	15	0.14
(3,10)	1:36:A:ILE:HG23	1:36:A:ILE:HG12	6	0.14
(3,10)	1:36:A:ILE:HG22	1:36:A:ILE:HG13	13	0.14
(3,10)	1:36:A:ILE:HG22	1:36:A:ILE:HG12	15	0.14
(3,5)	1:25:A:LYS:HA	1:25:A:LYS:HG2	20	0.14
(3,3)	1:43:A:PHE:HB3	1:43:A:PHE:HD1	2	0.14
(3,3)	1:43:A:PHE:HB2	1:43:A:PHE:HD2	3	0.14
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	9	0.14
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	20	0.14
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	24	0.14
(2,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	21	0.14
(2,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	7	0.14
(2,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	10	0.14
(2,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	16	0.14
(2,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	21	0.14
(2,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	23	0.14
(2,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	24	0.14
(2,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	4	0.14
(2,636)	1:24:A:LYS:HB3	1:24:A:LYS:HD2	21	0.14
(2,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	24	0.14
(2,635)	1:24:A:LYS:HG3	1:24:A:LYS:HE3	17	0.14
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	24	0.14
(2,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE1	1	0.14
(2,627)	1:5:A:ARG:HA	1:29:A:VAL:HG22	8	0.14
(2,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE3	13	0.14
(2,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD3	21	0.14
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	2	0.14
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG2	3	0.14
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	6	0.14
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	16	0.14
(2,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	9	0.14
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	8	0.14
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	7	0.14
(2,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	18	0.14
(2,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	8	0.14
(2,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	18	0.14
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	21	0.14
(2,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	18	0.14
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	16	0.14
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	2	0.14
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	13	0.14
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	23	0.14
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	12	0.14
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	10	0.14
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	22	0.14
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	23	0.14
(2,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	10	0.14
(2,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	15	0.14
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	14	0.14
(2,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	22	0.14
(2,550)	1:10:A:TYR:H	1:8:A:CYS:HA	3	0.14
(2,550)	1:10:A:TYR:H	1:8:A:CYS:HA	16	0.14
(2,545)	1:15:A:ILE:HG22	1:17:A:ARG:HD2	12	0.14
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	1	0.14
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	8	0.14
(2,521)	1:27:A:LYS:HB2	1:27:A:LYS:HD3	17	0.14
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG22	6	0.14
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	6	0.14
(2,500)	1:22:A:SER:HA	1:29:A:VAL:HA	6	0.14
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	19	0.14
(2,494)	1:29:A:VAL:H	1:29:A:VAL:HG11	5	0.14
(2,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	12	0.14
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	21	0.14
(2,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	5	0.14
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	6	0.14
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	9	0.14
(2,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	19	0.14
(2,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	13	0.14
(2,450)	1:9:A:THR:H	1:30:A:ILE:HA	21	0.14
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	20	0.14
(2,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	11	0.14
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	6	0.14
(2,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	10	0.14
(2,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	1	0.14
(2,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	16	0.14
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB3	14	0.14
(2,403)	1:9:A:THR:HG21	1:28:A:LYS:HE2	19	0.14
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD3	24	0.14
(2,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	4	0.14
(2,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	16	0.14
(2,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD3	23	0.14
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	10	0.14
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	11	0.14
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	2	0.14
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	23	0.14
(2,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	3	0.14
(2,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	12	0.14
(2,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	22	0.14
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	13	0.14
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	4	0.14
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	19	0.14
(2,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	18	0.14
(2,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	1	0.14
(2,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD2	8	0.14
(2,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD2	11	0.14
(2,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD2	1	0.14
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	1	0.14
(2,341)	1:14:A:LYS:HA	1:14:A:LYS:HB2	13	0.14
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	24	0.14
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	16	0.14
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	11	0.14
(2,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	12	0.14
(2,323)	1:20:A:ASN:H	1:31:A:CYS:HA	1	0.14
(2,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	9	0.14
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	1	0.14
(2,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	15	0.14
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	24	0.14
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	14	0.14
(2,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	9	0.14
(2,278)	1:29:A:VAL:HG13	1:5:A:ARG:HB2	24	0.14
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB1	12	0.14
(2,275)	1:31:A:CYS:H	1:30:A:ILE:HB	10	0.14
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	17	0.14
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	23	0.14
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	15	0.14
(2,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	23	0.14
(2,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	9	0.14
(2,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	19	0.14
(2,261)	1:30:A:ILE:HG21	1:39:A:CYS:HB2	1	0.14
(2,257)	1:4:A:LYS:H	1:3:A:LYS:HA	9	0.14
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	11	0.14
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	5	0.14
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	11	0.14
(2,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	4	0.14
(2,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	24	0.14
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG23	11	0.14
(2,223)	1:14:A:LYS:H	1:13:A:SER:HB2	1	0.14
(2,223)	1:14:A:LYS:H	1:13:A:SER:HB2	19	0.14
(2,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	11	0.14
(2,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	14	0.14
(2,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	6	0.14
(2,209)	1:26:A:CYS:H	1:26:A:CYS:HB2	8	0.14
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	22	0.14
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	10	0.14
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	20	0.14
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	22	0.14
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB2	20	0.14
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	4	0.14
(2,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	2	0.14
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	19	0.14
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG3	24	0.14
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG3	16	0.14
(2,160)	1:38:A:MET:HA	1:38:A:MET:HG3	21	0.14
(2,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	12	0.14
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	6	0.14
(2,149)	1:5:A:ARG:H	1:5:A:ARG:HB2	8	0.14
(2,143)	1:29:A:VAL:H	1:28:A:LYS:HA	24	0.14
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	2	0.14
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	18	0.14
(2,137)	1:23:A:CYS:H	1:23:A:CYS:HA	19	0.14
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	9	0.14
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	9	0.14
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	23	0.14
(2,128)	1:39:A:CYS:H	1:38:A:MET:HB2	9	0.14
(2,120)	1:33:A:GLU:H	1:34:A:HIS:H	12	0.14
(2,116)	1:27:A:LYS:H	1:27:A:LYS:HG3	5	0.14
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	16	0.14
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	14	0.14
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	2	0.14
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	10	0.14
(2,107)	1:32:A:ARG:HB2	1:32:A:ARG:HD2	7	0.14
(2,106)	1:3:A:LYS:H	1:3:A:LYS:HA	13	0.14
(2,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	9	0.14
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	1	0.14
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	9	0.14
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	16	0.14
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	17	0.14
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	21	0.14
(2,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	5	0.14
(2,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	8	0.14
(2,94)	1:38:A:MET:HB3	1:38:A:MET:HG3	12	0.14
(2,91)	1:37:A:ASP:H	1:37:A:ASP:HA	19	0.14
(2,85)	1:34:A:HIS:HA	1:34:A:HIS:HD2	6	0.14
(2,81)	1:16:A:ARG:HA	1:7:A:TYR:HD1	1	0.14
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE1	10	0.14
(2,70)	1:30:A:ILE:HD11	1:35:A:ASN:HB3	13	0.14
(2,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB2	19	0.14
(2,65)	1:22:A:SER:H	1:21:A:ALA:HB3	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	24	0.14
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	16	0.14
(2,62)	1:8:A:CYS:H	1:8:A:CYS:HA	18	0.14
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	10	0.14
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	22	0.14
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	23	0.14
(2,53)	1:6:A:THR:H	1:5:A:ARG:HA	12	0.14
(2,49)	1:9:A:THR:HG22	1:10:A:TYR:HD1	18	0.14
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	12	0.14
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	8	0.14
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	15	0.14
(2,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	4	0.14
(2,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	17	0.14
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	11	0.14
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	4	0.14
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	6	0.14
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	7	0.14
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	19	0.14
(2,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	18	0.14
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	3	0.14
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	10	0.14
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	5	0.14
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	12	0.14
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	18	0.14
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	3	0.14
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	11	0.14
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	18	0.14
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	20	0.14
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	1	0.14
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	3	0.14
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	13	0.14
(2,7)	1:42:A:CYS:H	1:42:A:CYS:HA	11	0.14
(2,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	13	0.14
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	9	0.14
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	20	0.14
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	24	0.14
(1,644)	1:4:A:LYS:HG2	1:4:A:LYS:HD3	21	0.14
(1,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	7	0.14
(1,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	10	0.14
(1,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	15	0.14
(1,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	16	0.14
(1,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	21	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	23	0.14
(1,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	24	0.14
(1,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	4	0.14
(1,636)	1:24:A:LYS:HB3	1:24:A:LYS:HD2	21	0.14
(1,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	24	0.14
(1,635)	1:24:A:LYS:HG3	1:24:A:LYS:HE3	17	0.14
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	24	0.14
(1,633)	1:18:A:LYS:HE2	1:7:A:TYR:HE1	1	0.14
(1,627)	1:5:A:ARG:HA	1:29:A:VAL:HG22	8	0.14
(1,625)	1:27:A:LYS:HG2	1:27:A:LYS:HE3	13	0.14
(1,619)	1:29:A:VAL:HG13	1:5:A:ARG:HD3	21	0.14
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	2	0.14
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG2	3	0.14
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	6	0.14
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	16	0.14
(1,613)	1:14:A:LYS:HA	1:14:A:LYS:HD3	9	0.14
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	8	0.14
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	7	0.14
(1,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	18	0.14
(1,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	8	0.14
(1,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	18	0.14
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	21	0.14
(1,596)	1:32:A:ARG:H	1:32:A:ARG:HG3	18	0.14
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	16	0.14
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	2	0.14
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	13	0.14
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	23	0.14
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	12	0.14
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	10	0.14
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	22	0.14
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	23	0.14
(1,577)	1:16:A:ARG:HB3	1:7:A:TYR:HD1	10	0.14
(1,572)	1:6:A:THR:HB	1:7:A:TYR:HE1	15	0.14
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	14	0.14
(1,556)	1:32:A:ARG:H	1:32:A:ARG:HD2	22	0.14
(1,550)	1:10:A:TYR:H	1:8:A:CYS:HA	3	0.14
(1,550)	1:10:A:TYR:H	1:8:A:CYS:HA	16	0.14
(1,545)	1:15:A:ILE:HG22	1:17:A:ARG:HD2	12	0.14
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	1	0.14
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	20	0.14
(1,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	8	0.14
(1,521)	1:27:A:LYS:HB2	1:27:A:LYS:HD3	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG22	6	0.14
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	6	0.14
(1,500)	1:22:A:SER:HA	1:29:A:VAL:HA	6	0.14
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	19	0.14
(1,494)	1:29:A:VAL:H	1:29:A:VAL:HG11	5	0.14
(1,480)	1:29:A:VAL:HB	1:22:A:SER:HB3	12	0.14
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG23	21	0.14
(1,476)	1:15:A:ILE:HD11	1:12:A:PRO:HG2	5	0.14
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	6	0.14
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	9	0.14
(1,470)	1:9:A:THR:HB	1:28:A:LYS:HB3	19	0.14
(1,462)	1:18:A:LYS:HA	1:6:A:THR:HG23	13	0.14
(1,450)	1:9:A:THR:H	1:30:A:ILE:HA	21	0.14
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD2	20	0.14
(1,444)	1:10:A:TYR:H	1:10:A:TYR:HD2	11	0.14
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE1	6	0.14
(1,443)	1:40:A:GLN:H	1:10:A:TYR:HE2	10	0.14
(1,415)	1:17:A:ARG:H	1:7:A:TYR:HB3	1	0.14
(1,409)	1:21:A:ALA:H	1:30:A:ILE:HG13	16	0.14
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB3	14	0.14
(1,403)	1:9:A:THR:HG21	1:28:A:LYS:HE2	19	0.14
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD3	24	0.14
(1,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	4	0.14
(1,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	16	0.14
(1,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD3	23	0.14
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	10	0.14
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	11	0.14
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	2	0.14
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	23	0.14
(1,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	3	0.14
(1,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	12	0.14
(1,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	22	0.14
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB2	13	0.14
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	4	0.14
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	19	0.14
(1,346)	1:19:A:ALA:HA	1:31:A:CYS:HA	18	0.14
(1,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	1	0.14
(1,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD2	8	0.14
(1,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD2	11	0.14
(1,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	16	0.14
(1,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD2	1	0.14
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:14:A:LYS:HA	1:14:A:LYS:HB2	13	0.14
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	24	0.14
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	16	0.14
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	11	0.14
(1,329)	1:6:A:THR:HB	1:7:A:TYR:HD1	12	0.14
(1,323)	1:20:A:ASN:H	1:31:A:CYS:HA	1	0.14
(1,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	9	0.14
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	1	0.14
(1,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	15	0.14
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	24	0.14
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	14	0.14
(1,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	9	0.14
(1,278)	1:29:A:VAL:HG13	1:5:A:ARG:HB2	24	0.14
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB1	12	0.14
(1,275)	1:31:A:CYS:H	1:30:A:ILE:HB	10	0.14
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	17	0.14
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	23	0.14
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	15	0.14
(1,266)	1:3:A:LYS:HA	1:3:A:LYS:HG2	23	0.14
(1,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	9	0.14
(1,262)	1:17:A:ARG:HA	1:17:A:ARG:HG3	19	0.14
(1,261)	1:30:A:ILE:HG21	1:39:A:CYS:HB2	1	0.14
(1,257)	1:4:A:LYS:H	1:3:A:LYS:HA	9	0.14
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	11	0.14
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	5	0.14
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	11	0.14
(1,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	4	0.14
(1,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	24	0.14
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG23	11	0.14
(1,223)	1:14:A:LYS:H	1:13:A:SER:HB2	1	0.14
(1,223)	1:14:A:LYS:H	1:13:A:SER:HB2	19	0.14
(1,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	11	0.14
(1,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	14	0.14
(1,209)	1:26:A:CYS:H	1:26:A:CYS:HB3	6	0.14
(1,209)	1:26:A:CYS:H	1:26:A:CYS:HB2	8	0.14
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	22	0.14
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	10	0.14
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	20	0.14
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	22	0.14
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	14	0.14
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB2	20	0.14
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,165)	1:12:A:PRO:HA	1:12:A:PRO:HG3	2	0.14
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	19	0.14
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG3	24	0.14
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG3	16	0.14
(1,160)	1:38:A:MET:HA	1:38:A:MET:HG3	21	0.14
(1,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	12	0.14
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	6	0.14
(1,149)	1:5:A:ARG:H	1:5:A:ARG:HB2	8	0.14
(1,143)	1:29:A:VAL:H	1:28:A:LYS:HA	24	0.14
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	2	0.14
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	18	0.14
(1,137)	1:23:A:CYS:H	1:23:A:CYS:HA	19	0.14
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	9	0.14
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	9	0.14
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	23	0.14
(1,128)	1:39:A:CYS:H	1:38:A:MET:HB2	9	0.14
(1,120)	1:33:A:GLU:H	1:34:A:HIS:H	12	0.14
(1,116)	1:27:A:LYS:H	1:27:A:LYS:HG3	5	0.14
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG3	16	0.14
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	14	0.14
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	2	0.14
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	10	0.14
(1,107)	1:32:A:ARG:HB2	1:32:A:ARG:HD2	7	0.14
(1,106)	1:3:A:LYS:H	1:3:A:LYS:HA	13	0.14
(1,105)	1:3:A:LYS:H	1:3:A:LYS:HG2	9	0.14
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	1	0.14
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	9	0.14
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	16	0.14
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	17	0.14
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	21	0.14
(1,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	5	0.14
(1,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	8	0.14
(1,94)	1:38:A:MET:HB3	1:38:A:MET:HG3	12	0.14
(1,91)	1:37:A:ASP:H	1:37:A:ASP:HA	19	0.14
(1,85)	1:34:A:HIS:HA	1:34:A:HIS:HD2	6	0.14
(1,81)	1:16:A:ARG:HA	1:7:A:TYR:HD1	1	0.14
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE1	10	0.14
(1,70)	1:30:A:ILE:HD11	1:35:A:ASN:HB3	13	0.14
(1,70)	1:30:A:ILE:HD12	1:35:A:ASN:HB2	19	0.14
(1,65)	1:22:A:SER:H	1:21:A:ALA:HB3	5	0.14
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	24	0.14
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:8:A:CYS:H	1:8:A:CYS:HA	18	0.14
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	10	0.14
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	22	0.14
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	23	0.14
(1,53)	1:6:A:THR:H	1:5:A:ARG:HA	12	0.14
(1,49)	1:9:A:THR:HG22	1:10:A:TYR:HD1	18	0.14
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	12	0.14
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	8	0.14
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	15	0.14
(1,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	4	0.14
(1,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	17	0.14
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	11	0.14
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	4	0.14
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	6	0.14
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	7	0.14
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	19	0.14
(1,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	18	0.14
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	3	0.14
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	10	0.14
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	5	0.14
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	12	0.14
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	18	0.14
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	3	0.14
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	11	0.14
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	18	0.14
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	20	0.14
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	1	0.14
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	3	0.14
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	13	0.14
(1,7)	1:42:A:CYS:H	1:42:A:CYS:HA	11	0.14
(1,4)	1:7:A:TYR:HA	1:7:A:TYR:HD2	13	0.14
(3,90)	1:36:A:ILE:HD12	1:43:A:PHE:HB2	12	0.13
(3,76)	1:25:A:LYS:HB3	1:25:A:LYS:HD3	5	0.13
(3,76)	1:25:A:LYS:HB2	1:25:A:LYS:HD3	9	0.13
(3,76)	1:25:A:LYS:HB3	1:25:A:LYS:HD2	20	0.13
(3,75)	1:25:A:LYS:HG2	1:25:A:LYS:HE2	19	0.13
(3,72)	1:36:A:ILE:HA	1:36:A:ILE:HB	3	0.13
(3,62)	1:41:A:SER:H	1:43:A:PHE:H	6	0.13
(3,57)	1:43:A:PHE:H	1:42:A:CYS:HB2	5	0.13
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	9	0.13
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	19	0.13
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	23	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,27)	1:37:A:ASP:H	1:36:A:ILE:HG23	11	0.13
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD11	12	0.13
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG23	12	0.13
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB2	17	0.13
(3,14)	1:36:A:ILE:HA	1:36:A:ILE:HG12	9	0.13
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG21	3	0.13
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG21	10	0.13
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG21	18	0.13
(3,10)	1:36:A:ILE:HG21	1:36:A:ILE:HG12	24	0.13
(3,5)	1:25:A:LYS:HA	1:25:A:LYS:HG3	11	0.13
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	21	0.13
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	6	0.13
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	16	0.13
(2,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	23	0.13
(2,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	16	0.13
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	10	0.13
(2,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	11	0.13
(2,614)	1:24:A:LYS:HA	1:24:A:LYS:HB3	3	0.13
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	18	0.13
(2,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	22	0.13
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	12	0.13
(2,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	10	0.13
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	17	0.13
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	1	0.13
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	21	0.13
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	24	0.13
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	4	0.13
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	6	0.13
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	13	0.13
(2,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	19	0.13
(2,578)	1:19:A:ALA:H	1:6:A:THR:HG21	14	0.13
(2,574)	1:1:A:VAL:HA	1:1:A:VAL:HG13	1	0.13
(2,574)	1:1:A:VAL:HA	1:1:A:VAL:HG22	8	0.13
(2,574)	1:1:A:VAL:HA	1:1:A:VAL:HG21	22	0.13
(2,558)	1:31:A:CYS:H	1:35:A:ASN:H	5	0.13
(2,550)	1:10:A:TYR:H	1:8:A:CYS:HA	22	0.13
(2,550)	1:10:A:TYR:H	1:8:A:CYS:HA	24	0.13
(2,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	23	0.13
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	15	0.13
(2,535)	1:21:A:ALA:H	1:30:A:ILE:H	6	0.13
(2,535)	1:21:A:ALA:H	1:30:A:ILE:H	19	0.13
(2,534)	1:33:A:GLU:H	1:31:A:CYS:HA	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD11	8	0.13
(2,528)	1:30:A:ILE:HG23	1:30:A:ILE:HG12	4	0.13
(2,528)	1:30:A:ILE:HG22	1:30:A:ILE:HG12	10	0.13
(2,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	11	0.13
(2,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	18	0.13
(2,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	20	0.13
(2,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	19	0.13
(2,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	11	0.13
(2,498)	1:16:A:ARG:H	1:13:A:SER:HA	13	0.13
(2,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	5	0.13
(2,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE2	9	0.13
(2,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	10	0.13
(2,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	18	0.13
(2,475)	1:21:A:ALA:HB3	1:30:A:ILE:HG12	7	0.13
(2,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	24	0.13
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	2	0.13
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD3	23	0.13
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	23	0.13
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	18	0.13
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	13	0.13
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	20	0.13
(2,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	23	0.13
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB3	4	0.13
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	2	0.13
(2,400)	1:16:A:ARG:HB2	1:16:A:ARG:HD2	6	0.13
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	17	0.13
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD3	22	0.13
(2,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	10	0.13
(2,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD3	11	0.13
(2,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD3	13	0.13
(2,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	21	0.13
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	18	0.13
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	22	0.13
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	14	0.13
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	19	0.13
(2,385)	1:29:A:VAL:H	1:9:A:THR:HB	22	0.13
(2,376)	1:8:A:CYS:H	1:19:A:ALA:HA	8	0.13
(2,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE1	9	0.13
(2,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE2	10	0.13
(2,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE1	13	0.13
(2,369)	1:9:A:THR:HG21	1:28:A:LYS:HG2	21	0.13
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB3	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	22	0.13
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	24	0.13
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	23	0.13
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	18	0.13
(2,357)	1:21:A:ALA:H	1:31:A:CYS:HA	21	0.13
(2,356)	1:19:A:ALA:HB2	1:8:A:CYS:HB2	2	0.13
(2,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	3	0.13
(2,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	10	0.13
(2,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD2	15	0.13
(2,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	20	0.13
(2,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	23	0.13
(2,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD3	6	0.13
(2,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	10	0.13
(2,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	11	0.13
(2,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD3	13	0.13
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB2	6	0.13
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	20	0.13
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	10	0.13
(2,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	18	0.13
(2,333)	1:17:A:ARG:HB3	1:17:A:ARG:HD3	2	0.13
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	13	0.13
(2,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	20	0.13
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	18	0.13
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	19	0.13
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	6	0.13
(2,298)	1:10:A:TYR:H	1:30:A:ILE:HA	18	0.13
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	23	0.13
(2,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	18	0.13
(2,278)	1:29:A:VAL:HG22	1:5:A:ARG:HB3	14	0.13
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	1	0.13
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	15	0.13
(2,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	15	0.13
(2,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	13	0.13
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	10	0.13
(2,251)	1:13:A:SER:H	1:12:A:PRO:HB2	1	0.13
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	9	0.13
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	15	0.13
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	21	0.13
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	1	0.13
(2,239)	1:37:A:ASP:HA	1:21:A:ALA:HB2	5	0.13
(2,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	2	0.13
(2,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG2	19	0.13
(2,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG3	20	0.13
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD11	19	0.13
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	6	0.13
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG23	9	0.13
(2,218)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	3	0.13
(2,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	18	0.13
(2,218)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	21	0.13
(2,218)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	24	0.13
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	11	0.13
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	4	0.13
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	12	0.13
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	9	0.13
(2,202)	1:17:A:ARG:H	1:17:A:ARG:HA	24	0.13
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	17	0.13
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	4	0.13
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	24	0.13
(2,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	16	0.13
(2,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE3	20	0.13
(2,189)	1:41:A:SER:H	1:40:A:GLN:HB3	12	0.13
(2,184)	1:14:A:LYS:H	1:13:A:SER:HA	12	0.13
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	15	0.13
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB1	2	0.13
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB3	24	0.13
(2,170)	1:29:A:VAL:HA	1:29:A:VAL:HG11	11	0.13
(2,170)	1:29:A:VAL:HA	1:29:A:VAL:HG11	22	0.13
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG3	15	0.13
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB2	16	0.13
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	3	0.13
(2,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	4	0.13
(2,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	10	0.13
(2,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	21	0.13
(2,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	23	0.13
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	21	0.13
(2,149)	1:5:A:ARG:H	1:5:A:ARG:HB2	9	0.13
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	18	0.13
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	19	0.13
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB2	6	0.13
(2,137)	1:23:A:CYS:H	1:23:A:CYS:HA	22	0.13
(2,137)	1:23:A:CYS:H	1:23:A:CYS:HA	24	0.13
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	1	0.13
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	6	0.13
(2,131)	1:32:A:ARG:H	1:33:A:GLU:H	12	0.13
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	18	0.13
(2,121)	1:33:A:GLU:H	1:33:A:GLU:HB2	14	0.13
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	8	0.13
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	20	0.13
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	16	0.13
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	22	0.13
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	24	0.13
(2,106)	1:3:A:LYS:H	1:3:A:LYS:HA	2	0.13
(2,101)	1:35:A:ASN:H	1:35:A:ASN:HB2	19	0.13
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	4	0.13
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	5	0.13
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	8	0.13
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	24	0.13
(2,94)	1:38:A:MET:HB3	1:38:A:MET:HG2	1	0.13
(2,94)	1:38:A:MET:HB2	1:38:A:MET:HG2	3	0.13
(2,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	7	0.13
(2,94)	1:38:A:MET:HB3	1:38:A:MET:HG2	10	0.13
(2,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	17	0.13
(2,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	18	0.13
(2,94)	1:38:A:MET:HB2	1:38:A:MET:HG2	22	0.13
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	4	0.13
(2,85)	1:34:A:HIS:HA	1:34:A:HIS:HD2	2	0.13
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	24	0.13
(2,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	23	0.13
(2,70)	1:30:A:ILE:HD11	1:35:A:ASN:HB2	12	0.13
(2,69)	1:30:A:ILE:HD11	1:23:A:CYS:HB2	9	0.13
(2,68)	1:30:A:ILE:HB	1:30:A:ILE:HD12	6	0.13
(2,68)	1:30:A:ILE:HB	1:30:A:ILE:HD11	12	0.13
(2,68)	1:30:A:ILE:HB	1:30:A:ILE:HD13	14	0.13
(2,68)	1:30:A:ILE:HB	1:30:A:ILE:HD12	21	0.13
(2,66)	1:22:A:SER:H	1:21:A:ALA:HA	4	0.13
(2,61)	1:11:A:CYS:H	1:10:A:TYR:HA	24	0.13
(2,60)	1:10:A:TYR:H	1:10:A:TYR:HA	7	0.13
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	6	0.13
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	5	0.13
(2,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	14	0.13
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	1	0.13
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	9	0.13
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	12	0.13
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	17	0.13
(2,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	10	0.13
(2,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	20	0.13
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	15	0.13
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	3	0.13
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	20	0.13
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB1	21	0.13
(2,19)	1:41:A:SER:H	1:42:A:CYS:H	23	0.13
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	13	0.13
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	8	0.13
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	10	0.13
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	20	0.13
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	24	0.13
(2,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	11	0.13
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	6	0.13
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	8	0.13
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	21	0.13
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	12	0.13
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	21	0.13
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	6	0.13
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	16	0.13
(1,634)	1:18:A:LYS:HA	1:18:A:LYS:HG3	23	0.13
(1,622)	1:22:A:SER:HA	1:29:A:VAL:HG12	16	0.13
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	10	0.13
(1,615)	1:24:A:LYS:HA	1:24:A:LYS:HD3	11	0.13
(1,614)	1:24:A:LYS:HA	1:24:A:LYS:HB3	3	0.13
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	18	0.13
(1,612)	1:28:A:LYS:HA	1:28:A:LYS:HG3	22	0.13
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB3	12	0.13
(1,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	10	0.13
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	17	0.13
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB2	1	0.13
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	21	0.13
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	24	0.13
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	4	0.13
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	6	0.13
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	13	0.13
(1,582)	1:12:A:PRO:HG2	1:12:A:PRO:HD3	19	0.13
(1,578)	1:19:A:ALA:H	1:6:A:THR:HG21	14	0.13
(1,574)	1:1:A:VAL:HA	1:1:A:VAL:HG13	1	0.13
(1,574)	1:1:A:VAL:HA	1:1:A:VAL:HG22	8	0.13
(1,574)	1:1:A:VAL:HA	1:1:A:VAL:HG21	22	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:31:A:CYS:H	1:35:A:ASN:H	5	0.13
(1,550)	1:10:A:TYR:H	1:8:A:CYS:HA	22	0.13
(1,550)	1:10:A:TYR:H	1:8:A:CYS:HA	24	0.13
(1,547)	1:23:A:CYS:H	1:28:A:LYS:HB2	23	0.13
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	15	0.13
(1,535)	1:21:A:ALA:H	1:30:A:ILE:H	6	0.13
(1,535)	1:21:A:ALA:H	1:30:A:ILE:H	19	0.13
(1,534)	1:33:A:GLU:H	1:31:A:CYS:HA	14	0.13
(1,529)	1:30:A:ILE:HG23	1:30:A:ILE:HD11	8	0.13
(1,528)	1:30:A:ILE:HG23	1:30:A:ILE:HG12	4	0.13
(1,528)	1:30:A:ILE:HG22	1:30:A:ILE:HG12	10	0.13
(1,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	11	0.13
(1,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	18	0.13
(1,512)	1:33:A:GLU:HA	1:33:A:GLU:HB3	20	0.13
(1,505)	1:15:A:ILE:HA	1:15:A:ILE:HG21	19	0.13
(1,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	11	0.13
(1,498)	1:16:A:ARG:H	1:13:A:SER:HA	13	0.13
(1,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	5	0.13
(1,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE2	9	0.13
(1,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	10	0.13
(1,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	18	0.13
(1,475)	1:21:A:ALA:HB3	1:30:A:ILE:HG12	7	0.13
(1,471)	1:28:A:LYS:HB2	1:39:A:CYS:HB3	24	0.13
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	2	0.13
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD3	23	0.13
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	23	0.13
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	18	0.13
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	13	0.13
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	20	0.13
(1,413)	1:31:A:CYS:H	1:30:A:ILE:HG13	23	0.13
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB3	4	0.13
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	2	0.13
(1,400)	1:16:A:ARG:HB2	1:16:A:ARG:HD2	6	0.13
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	17	0.13
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD3	22	0.13
(1,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	10	0.13
(1,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD3	11	0.13
(1,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD3	13	0.13
(1,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	21	0.13
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	18	0.13
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD2	22	0.13
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	19	0.13
(1,385)	1:29:A:VAL:H	1:9:A:THR:HB	22	0.13
(1,376)	1:8:A:CYS:H	1:19:A:ALA:HA	8	0.13
(1,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE1	9	0.13
(1,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE2	10	0.13
(1,373)	1:40:A:GLN:HG3	1:10:A:TYR:HE1	13	0.13
(1,369)	1:9:A:THR:HG21	1:28:A:LYS:HG2	21	0.13
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB3	5	0.13
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	22	0.13
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	24	0.13
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	23	0.13
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	18	0.13
(1,357)	1:21:A:ALA:H	1:31:A:CYS:HA	21	0.13
(1,356)	1:19:A:ALA:HB2	1:8:A:CYS:HB2	2	0.13
(1,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	3	0.13
(1,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	10	0.13
(1,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD2	15	0.13
(1,344)	1:5:A:ARG:HG3	1:5:A:ARG:HD2	20	0.13
(1,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	23	0.13
(1,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD3	6	0.13
(1,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	10	0.13
(1,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	11	0.13
(1,343)	1:5:A:ARG:HB2	1:5:A:ARG:HD3	13	0.13
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB2	6	0.13
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB3	20	0.13
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD2	10	0.13
(1,334)	1:27:A:LYS:H	1:27:A:LYS:HD3	18	0.13
(1,333)	1:17:A:ARG:HB3	1:17:A:ARG:HD3	2	0.13
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	13	0.13
(1,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	20	0.13
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	18	0.13
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	19	0.13
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	6	0.13
(1,298)	1:10:A:TYR:H	1:30:A:ILE:HA	18	0.13
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	23	0.13
(1,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	18	0.13
(1,278)	1:29:A:VAL:HG22	1:5:A:ARG:HB3	14	0.13
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	1	0.13
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	15	0.13
(1,267)	1:16:A:ARG:HB2	1:16:A:ARG:HG3	15	0.13
(1,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	13	0.13
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,251)	1:13:A:SER:H	1:12:A:PRO:HB2	1	0.13
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	9	0.13
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	15	0.13
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	21	0.13
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB1	1	0.13
(1,239)	1:37:A:ASP:HA	1:21:A:ALA:HB2	5	0.13
(1,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	2	0.13
(1,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	6	0.13
(1,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG2	19	0.13
(1,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG3	20	0.13
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD11	19	0.13
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG22	6	0.13
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG23	9	0.13
(1,218)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	3	0.13
(1,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	18	0.13
(1,218)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	21	0.13
(1,218)	1:15:A:ILE:HG23	1:15:A:ILE:HG13	24	0.13
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	11	0.13
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	4	0.13
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	12	0.13
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	9	0.13
(1,202)	1:17:A:ARG:H	1:17:A:ARG:HA	24	0.13
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	17	0.13
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	4	0.13
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	24	0.13
(1,195)	1:4:A:LYS:HG2	1:4:A:LYS:HE3	16	0.13
(1,195)	1:4:A:LYS:HG3	1:4:A:LYS:HE3	20	0.13
(1,189)	1:41:A:SER:H	1:40:A:GLN:HB3	12	0.13
(1,184)	1:14:A:LYS:H	1:13:A:SER:HA	12	0.13
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	15	0.13
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB1	2	0.13
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB3	24	0.13
(1,170)	1:29:A:VAL:HA	1:29:A:VAL:HG11	11	0.13
(1,170)	1:29:A:VAL:HA	1:29:A:VAL:HG11	22	0.13
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG3	15	0.13
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB2	16	0.13
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	3	0.13
(1,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	4	0.13
(1,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	10	0.13
(1,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	21	0.13
(1,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	23	0.13
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	21	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:5:A:ARG:H	1:5:A:ARG:HB2	9	0.13
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	18	0.13
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	19	0.13
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB2	6	0.13
(1,137)	1:23:A:CYS:H	1:23:A:CYS:HA	22	0.13
(1,137)	1:23:A:CYS:H	1:23:A:CYS:HA	24	0.13
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	1	0.13
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	6	0.13
(1,133)	1:33:A:GLU:H	1:32:A:ARG:HB2	6	0.13
(1,131)	1:32:A:ARG:H	1:33:A:GLU:H	12	0.13
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	18	0.13
(1,121)	1:33:A:GLU:H	1:33:A:GLU:HB2	14	0.13
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	8	0.13
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	20	0.13
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	16	0.13
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	22	0.13
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	24	0.13
(1,106)	1:3:A:LYS:H	1:3:A:LYS:HA	2	0.13
(1,101)	1:35:A:ASN:H	1:35:A:ASN:HB2	19	0.13
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	4	0.13
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	5	0.13
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	8	0.13
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	24	0.13
(1,94)	1:38:A:MET:HB3	1:38:A:MET:HG2	1	0.13
(1,94)	1:38:A:MET:HB2	1:38:A:MET:HG2	3	0.13
(1,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	7	0.13
(1,94)	1:38:A:MET:HB3	1:38:A:MET:HG2	10	0.13
(1,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	17	0.13
(1,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	18	0.13
(1,94)	1:38:A:MET:HB2	1:38:A:MET:HG2	22	0.13
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	4	0.13
(1,85)	1:34:A:HIS:HA	1:34:A:HIS:HD2	2	0.13
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	24	0.13
(1,73)	1:37:A:ASP:HA	1:30:A:ILE:HD11	23	0.13
(1,70)	1:30:A:ILE:HD11	1:35:A:ASN:HB2	12	0.13
(1,69)	1:30:A:ILE:HD11	1:23:A:CYS:HB2	9	0.13
(1,68)	1:30:A:ILE:HB	1:30:A:ILE:HD12	6	0.13
(1,68)	1:30:A:ILE:HB	1:30:A:ILE:HD11	12	0.13
(1,68)	1:30:A:ILE:HB	1:30:A:ILE:HD13	14	0.13
(1,68)	1:30:A:ILE:HB	1:30:A:ILE:HD12	21	0.13
(1,66)	1:22:A:SER:H	1:21:A:ALA:HA	4	0.13
(1,61)	1:11:A:CYS:H	1:10:A:TYR:HA	24	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:10:A:TYR:H	1:10:A:TYR:HA	7	0.13
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	6	0.13
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	5	0.13
(1,41)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	14	0.13
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	1	0.13
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	9	0.13
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	12	0.13
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	16	0.13
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	17	0.13
(1,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	10	0.13
(1,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	20	0.13
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	15	0.13
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	3	0.13
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	20	0.13
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB1	21	0.13
(1,19)	1:41:A:SER:H	1:42:A:CYS:H	23	0.13
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	13	0.13
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	8	0.13
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	10	0.13
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	20	0.13
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	24	0.13
(1,12)	1:40:A:GLN:H	1:40:A:GLN:HB2	11	0.13
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	6	0.13
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	8	0.13
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	21	0.13
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE2	12	0.13
(3,94)	1:25:A:LYS:H	1:26:A:CYS:H	6	0.12
(3,94)	1:25:A:LYS:H	1:26:A:CYS:H	18	0.12
(3,76)	1:25:A:LYS:HB2	1:25:A:LYS:HD2	16	0.12
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	1	0.12
(3,51)	1:43:A:PHE:H	1:43:A:PHE:HA	11	0.12
(3,32)	1:36:A:ILE:H	1:35:A:ASN:HB2	13	0.12
(3,24)	1:36:A:ILE:H	1:35:A:ASN:HA	11	0.12
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG23	3	0.12
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	6	0.12
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB2	8	0.12
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG23	9	0.12
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG22	23	0.12
(3,10)	1:36:A:ILE:HG23	1:36:A:ILE:HG12	16	0.12
(3,3)	1:43:A:PHE:HB2	1:43:A:PHE:HD1	9	0.12
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	6	0.12
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	17	0.12
(2,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	19	0.12
(2,628)	1:9:A:THR:HG21	1:28:A:LYS:HD3	8	0.12
(2,624)	1:14:A:LYS:HG2	1:14:A:LYS:HE3	4	0.12
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	1	0.12
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	13	0.12
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	16	0.12
(2,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	15	0.12
(2,606)	1:4:A:LYS:H	1:4:A:LYS:HB3	7	0.12
(2,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	19	0.12
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	2	0.12
(2,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	5	0.12
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	16	0.12
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	3	0.12
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	22	0.12
(2,574)	1:1:A:VAL:HA	1:1:A:VAL:HG22	2	0.12
(2,574)	1:1:A:VAL:HA	1:1:A:VAL:HG22	23	0.12
(2,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	1	0.12
(2,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	5	0.12
(2,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	13	0.12
(2,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	22	0.12
(2,550)	1:10:A:TYR:H	1:8:A:CYS:HA	4	0.12
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	7	0.12
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	16	0.12
(2,535)	1:21:A:ALA:H	1:30:A:ILE:H	12	0.12
(2,528)	1:30:A:ILE:HG23	1:30:A:ILE:HG12	2	0.12
(2,528)	1:30:A:ILE:HG21	1:30:A:ILE:HG12	20	0.12
(2,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	7	0.12
(2,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	10	0.12
(2,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	15	0.12
(2,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	17	0.12
(2,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	20	0.12
(2,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	21	0.12
(2,500)	1:22:A:SER:HA	1:29:A:VAL:HA	13	0.12
(2,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	18	0.12
(2,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	8	0.12
(2,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE2	14	0.12
(2,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	24	0.12
(2,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG13	14	0.12
(2,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	8	0.12
(2,455)	1:40:A:GLN:H	1:39:A:CYS:HA	9	0.12
(2,450)	1:9:A:THR:H	1:30:A:ILE:HA	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,450)	1:9:A:THR:H	1:30:A:ILE:HA	17	0.12
(2,446)	1:17:A:ARG:H	1:7:A:TYR:HD1	10	0.12
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	12	0.12
(2,431)	1:37:A:ASP:H	1:38:A:MET:H	13	0.12
(2,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	8	0.12
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB1	8	0.12
(2,403)	1:9:A:THR:HG23	1:28:A:LYS:HE2	23	0.12
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD3	5	0.12
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	12	0.12
(2,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD2	6	0.12
(2,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD3	7	0.12
(2,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD2	8	0.12
(2,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	9	0.12
(2,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD3	12	0.12
(2,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	22	0.12
(2,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	16	0.12
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	3	0.12
(2,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	8	0.12
(2,385)	1:29:A:VAL:H	1:9:A:THR:HB	4	0.12
(2,385)	1:29:A:VAL:H	1:9:A:THR:HB	15	0.12
(2,368)	1:42:A:CYS:H	1:41:A:SER:HB2	6	0.12
(2,365)	1:30:A:ILE:HD13	1:39:A:CYS:HB3	16	0.12
(2,364)	1:9:A:THR:H	1:30:A:ILE:HG21	23	0.12
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB2	11	0.12
(2,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	21	0.12
(2,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	19	0.12
(2,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	12	0.12
(2,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD3	21	0.12
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	8	0.12
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	18	0.12
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD11	10	0.12
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	13	0.12
(2,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	1	0.12
(2,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	10	0.12
(2,318)	1:7:A:TYR:H	1:5:A:ARG:HA	12	0.12
(2,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	2	0.12
(2,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	9	0.12
(2,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	14	0.12
(2,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	12	0.12
(2,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	16	0.12
(2,278)	1:29:A:VAL:HG13	1:5:A:ARG:HB3	12	0.12
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	15	0.12
(2,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	23	0.12
(2,265)	1:3:A:LYS:HG2	1:3:A:LYS:HE3	24	0.12
(2,262)	1:17:A:ARG:HA	1:17:A:ARG:HG2	6	0.12
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	1	0.12
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	3	0.12
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	8	0.12
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	21	0.12
(2,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	12	0.12
(2,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	9	0.12
(2,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	18	0.12
(2,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	19	0.12
(2,231)	1:38:A:MET:H	1:30:A:ILE:HD11	23	0.12
(2,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	2	0.12
(2,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	4	0.12
(2,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	9	0.12
(2,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	15	0.12
(2,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	16	0.12
(2,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	22	0.12
(2,216)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	7	0.12
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	21	0.12
(2,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	22	0.12
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	21	0.12
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	3	0.12
(2,196)	1:17:A:ARG:H	1:16:A:ARG:HA	7	0.12
(2,190)	1:10:A:TYR:H	1:9:A:THR:HA	17	0.12
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	7	0.12
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	17	0.12
(2,181)	1:19:A:ALA:H	1:18:A:LYS:HA	18	0.12
(2,170)	1:29:A:VAL:HA	1:29:A:VAL:HG12	5	0.12
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG3	20	0.12
(2,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	11	0.12
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	2	0.12
(2,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	15	0.12
(2,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	1	0.12
(2,149)	1:5:A:ARG:H	1:5:A:ARG:HB2	2	0.12
(2,149)	1:5:A:ARG:H	1:5:A:ARG:HB2	13	0.12
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	2	0.12
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	22	0.12
(2,137)	1:23:A:CYS:H	1:23:A:CYS:HA	3	0.12
(2,137)	1:23:A:CYS:H	1:23:A:CYS:HA	13	0.12
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,131)	1:32:A:ARG:H	1:33:A:GLU:H	2	0.12
(2,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	21	0.12
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	22	0.12
(2,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG3	17	0.12
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	6	0.12
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	7	0.12
(2,109)	1:32:A:ARG:H	1:32:A:ARG:HA	4	0.12
(2,106)	1:3:A:LYS:H	1:3:A:LYS:HA	7	0.12
(2,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	1	0.12
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	2	0.12
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	3	0.12
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	10	0.12
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	12	0.12
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	18	0.12
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	20	0.12
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	22	0.12
(2,97)	1:30:A:ILE:HA	1:30:A:ILE:HB	7	0.12
(2,94)	1:38:A:MET:HB3	1:38:A:MET:HG2	9	0.12
(2,94)	1:38:A:MET:HB2	1:38:A:MET:HG2	13	0.12
(2,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	24	0.12
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	14	0.12
(2,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	24	0.12
(2,85)	1:34:A:HIS:HA	1:34:A:HIS:HD2	14	0.12
(2,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	18	0.12
(2,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	23	0.12
(2,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	5	0.12
(2,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD2	20	0.12
(2,70)	1:30:A:ILE:HD11	1:35:A:ASN:HB2	10	0.12
(2,69)	1:30:A:ILE:HD12	1:23:A:CYS:HB2	11	0.12
(2,69)	1:30:A:ILE:HD11	1:23:A:CYS:HB2	13	0.12
(2,68)	1:30:A:ILE:HB	1:30:A:ILE:HD13	5	0.12
(2,67)	1:18:A:LYS:H	1:17:A:ARG:HA	12	0.12
(2,66)	1:22:A:SER:H	1:21:A:ALA:HA	11	0.12
(2,65)	1:22:A:SER:H	1:21:A:ALA:HB1	10	0.12
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	16	0.12
(2,60)	1:10:A:TYR:H	1:10:A:TYR:HA	15	0.12
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	1	0.12
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	15	0.12
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	20	0.12
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	17	0.12
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	22	0.12
(2,51)	1:7:A:TYR:H	1:6:A:THR:HB	24	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	2	0.12
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	4	0.12
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	6	0.12
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	7	0.12
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	10	0.12
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	14	0.12
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	20	0.12
(2,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	14	0.12
(2,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	21	0.12
(2,30)	1:21:A:ALA:H	1:20:A:ASN:HA	13	0.12
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	17	0.12
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	22	0.12
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB2	2	0.12
(2,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	2	0.12
(2,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	13	0.12
(2,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	23	0.12
(2,18)	1:42:A:CYS:H	1:40:A:GLN:HA	19	0.12
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	4	0.12
(2,14)	1:41:A:SER:H	1:41:A:SER:HB2	17	0.12
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	2	0.12
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	5	0.12
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	8	0.12
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	20	0.12
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	6	0.12
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	7	0.12
(1,641)	1:24:A:LYS:HG2	1:24:A:LYS:HD3	17	0.12
(1,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	19	0.12
(1,628)	1:9:A:THR:HG21	1:28:A:LYS:HD3	8	0.12
(1,624)	1:14:A:LYS:HG2	1:14:A:LYS:HE3	4	0.12
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	1	0.12
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	13	0.12
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	16	0.12
(1,608)	1:32:A:ARG:HG3	1:20:A:ASN:HD21	15	0.12
(1,606)	1:4:A:LYS:H	1:4:A:LYS:HB3	7	0.12
(1,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	19	0.12
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	2	0.12
(1,594)	1:18:A:LYS:H	1:18:A:LYS:HD3	5	0.12
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	16	0.12
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	3	0.12
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	22	0.12
(1,574)	1:1:A:VAL:HA	1:1:A:VAL:HG22	2	0.12
(1,574)	1:1:A:VAL:HA	1:1:A:VAL:HG22	23	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	1	0.12
(1,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	5	0.12
(1,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	13	0.12
(1,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	22	0.12
(1,550)	1:10:A:TYR:H	1:8:A:CYS:HA	4	0.12
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	7	0.12
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	16	0.12
(1,535)	1:21:A:ALA:H	1:30:A:ILE:H	12	0.12
(1,528)	1:30:A:ILE:HG23	1:30:A:ILE:HG12	2	0.12
(1,528)	1:30:A:ILE:HG21	1:30:A:ILE:HG12	20	0.12
(1,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	7	0.12
(1,504)	1:15:A:ILE:HA	1:15:A:ILE:HG12	10	0.12
(1,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	15	0.12
(1,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	17	0.12
(1,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	20	0.12
(1,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	21	0.12
(1,500)	1:22:A:SER:HA	1:29:A:VAL:HA	13	0.12
(1,486)	1:23:A:CYS:H	1:30:A:ILE:HG12	18	0.12
(1,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	8	0.12
(1,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE2	14	0.12
(1,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	24	0.12
(1,475)	1:21:A:ALA:HB2	1:30:A:ILE:HG13	14	0.12
(1,468)	1:11:A:CYS:HB3	1:12:A:PRO:HD2	8	0.12
(1,455)	1:40:A:GLN:H	1:39:A:CYS:HA	9	0.12
(1,450)	1:9:A:THR:H	1:30:A:ILE:HA	12	0.12
(1,450)	1:9:A:THR:H	1:30:A:ILE:HA	17	0.12
(1,446)	1:17:A:ARG:H	1:7:A:TYR:HD1	10	0.12
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	12	0.12
(1,431)	1:37:A:ASP:H	1:38:A:MET:H	13	0.12
(1,422)	1:32:A:ARG:H	1:20:A:ASN:HB2	8	0.12
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB1	8	0.12
(1,403)	1:9:A:THR:HG23	1:28:A:LYS:HE2	23	0.12
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD3	5	0.12
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD2	12	0.12
(1,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD2	6	0.12
(1,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD3	7	0.12
(1,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD2	8	0.12
(1,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	9	0.12
(1,399)	1:16:A:ARG:HG3	1:16:A:ARG:HD3	12	0.12
(1,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	22	0.12
(1,398)	1:5:A:ARG:H	1:4:A:LYS:HD3	16	0.12
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB3	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,393)	1:17:A:ARG:HA	1:7:A:TYR:HD1	8	0.12
(1,385)	1:29:A:VAL:H	1:9:A:THR:HB	4	0.12
(1,385)	1:29:A:VAL:H	1:9:A:THR:HB	15	0.12
(1,368)	1:42:A:CYS:H	1:41:A:SER:HB2	6	0.12
(1,365)	1:30:A:ILE:HD13	1:39:A:CYS:HB3	16	0.12
(1,364)	1:9:A:THR:H	1:30:A:ILE:HG21	23	0.12
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB2	11	0.12
(1,356)	1:19:A:ALA:HB3	1:8:A:CYS:HB2	21	0.12
(1,350)	1:7:A:TYR:HA	1:19:A:ALA:HB3	19	0.12
(1,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	12	0.12
(1,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD3	21	0.12
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	8	0.12
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	18	0.12
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD11	10	0.12
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	13	0.12
(1,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	1	0.12
(1,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	10	0.12
(1,318)	1:7:A:TYR:H	1:5:A:ARG:HA	12	0.12
(1,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	2	0.12
(1,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	9	0.12
(1,303)	1:38:A:MET:HA	1:23:A:CYS:HB2	14	0.12
(1,288)	1:34:A:HIS:HE1	1:10:A:TYR:HB3	12	0.12
(1,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	16	0.12
(1,278)	1:29:A:VAL:HG13	1:5:A:ARG:HB3	12	0.12
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	11	0.12
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	15	0.12
(1,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	23	0.12
(1,265)	1:3:A:LYS:HG2	1:3:A:LYS:HE3	24	0.12
(1,262)	1:17:A:ARG:HA	1:17:A:ARG:HG2	6	0.12
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	1	0.12
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	3	0.12
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	8	0.12
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	21	0.12
(1,248)	1:14:A:LYS:H	1:14:A:LYS:HB2	12	0.12
(1,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	9	0.12
(1,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	18	0.12
(1,235)	1:32:A:ARG:H	1:31:A:CYS:HB2	19	0.12
(1,231)	1:38:A:MET:H	1:30:A:ILE:HD11	23	0.12
(1,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	2	0.12
(1,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	4	0.12
(1,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	9	0.12
(1,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:15:A:ILE:HG21	1:15:A:ILE:HG13	16	0.12
(1,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	22	0.12
(1,216)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	7	0.12
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	21	0.12
(1,201)	1:17:A:ARG:H	1:17:A:ARG:HB2	22	0.12
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	21	0.12
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	3	0.12
(1,196)	1:17:A:ARG:H	1:16:A:ARG:HA	7	0.12
(1,190)	1:10:A:TYR:H	1:9:A:THR:HA	17	0.12
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	7	0.12
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	17	0.12
(1,181)	1:19:A:ALA:H	1:18:A:LYS:HA	18	0.12
(1,170)	1:29:A:VAL:HA	1:29:A:VAL:HG12	5	0.12
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG3	20	0.12
(1,155)	1:5:A:ARG:H	1:5:A:ARG:HG3	11	0.12
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG3	2	0.12
(1,154)	1:5:A:ARG:HA	1:5:A:ARG:HG2	15	0.12
(1,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	1	0.12
(1,149)	1:5:A:ARG:H	1:5:A:ARG:HB2	2	0.12
(1,149)	1:5:A:ARG:H	1:5:A:ARG:HB2	13	0.12
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	2	0.12
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	22	0.12
(1,137)	1:23:A:CYS:H	1:23:A:CYS:HA	3	0.12
(1,137)	1:23:A:CYS:H	1:23:A:CYS:HA	13	0.12
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	5	0.12
(1,131)	1:32:A:ARG:H	1:33:A:GLU:H	2	0.12
(1,118)	1:34:A:HIS:H	1:33:A:GLU:HB2	21	0.12
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	22	0.12
(1,114)	1:27:A:LYS:HB3	1:27:A:LYS:HG3	17	0.12
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	6	0.12
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	7	0.12
(1,109)	1:32:A:ARG:H	1:32:A:ARG:HA	4	0.12
(1,106)	1:3:A:LYS:H	1:3:A:LYS:HA	7	0.12
(1,104)	1:3:A:LYS:H	1:3:A:LYS:HD2	1	0.12
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	2	0.12
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	3	0.12
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	10	0.12
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	12	0.12
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	18	0.12
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	20	0.12
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	22	0.12
(1,97)	1:30:A:ILE:HA	1:30:A:ILE:HB	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:38:A:MET:HB3	1:38:A:MET:HG2	9	0.12
(1,94)	1:38:A:MET:HB2	1:38:A:MET:HG2	13	0.12
(1,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	24	0.12
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	14	0.12
(1,88)	1:34:A:HIS:H	1:34:A:HIS:HB2	24	0.12
(1,85)	1:34:A:HIS:HA	1:34:A:HIS:HD2	14	0.12
(1,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	18	0.12
(1,81)	1:16:A:ARG:HA	1:7:A:TYR:HD2	23	0.12
(1,76)	1:16:A:ARG:HB3	1:7:A:TYR:HE2	5	0.12
(1,75)	1:30:A:ILE:HG22	1:10:A:TYR:HD2	20	0.12
(1,70)	1:30:A:ILE:HD11	1:35:A:ASN:HB2	10	0.12
(1,69)	1:30:A:ILE:HD12	1:23:A:CYS:HB2	11	0.12
(1,69)	1:30:A:ILE:HD11	1:23:A:CYS:HB2	13	0.12
(1,68)	1:30:A:ILE:HB	1:30:A:ILE:HD13	5	0.12
(1,67)	1:18:A:LYS:H	1:17:A:ARG:HA	12	0.12
(1,66)	1:22:A:SER:H	1:21:A:ALA:HA	11	0.12
(1,65)	1:22:A:SER:H	1:21:A:ALA:HB1	10	0.12
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	16	0.12
(1,60)	1:10:A:TYR:H	1:10:A:TYR:HA	15	0.12
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	1	0.12
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	15	0.12
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	20	0.12
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	17	0.12
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	22	0.12
(1,51)	1:7:A:TYR:H	1:6:A:THR:HB	24	0.12
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	2	0.12
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	4	0.12
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	6	0.12
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	7	0.12
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	10	0.12
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	14	0.12
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	20	0.12
(1,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	14	0.12
(1,34)	1:11:A:CYS:HA	1:12:A:PRO:HD2	21	0.12
(1,30)	1:21:A:ALA:H	1:20:A:ASN:HA	13	0.12
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	17	0.12
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	22	0.12
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB2	2	0.12
(1,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	2	0.12
(1,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	13	0.12
(1,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	23	0.12
(1,18)	1:42:A:CYS:H	1:40:A:GLN:HA	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	4	0.12
(1,14)	1:41:A:SER:H	1:41:A:SER:HB2	17	0.12
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	2	0.12
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	5	0.12
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	8	0.12
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	20	0.12
(3,94)	1:25:A:LYS:H	1:26:A:CYS:H	7	0.11
(3,94)	1:25:A:LYS:H	1:26:A:CYS:H	11	0.11
(3,94)	1:25:A:LYS:H	1:26:A:CYS:H	22	0.11
(3,76)	1:25:A:LYS:HB2	1:25:A:LYS:HD3	10	0.11
(3,76)	1:25:A:LYS:HB2	1:25:A:LYS:HD2	21	0.11
(3,75)	1:25:A:LYS:HG2	1:25:A:LYS:HE2	5	0.11
(3,72)	1:36:A:ILE:HA	1:36:A:ILE:HB	15	0.11
(3,70)	1:36:A:ILE:HD12	1:43:A:PHE:HD1	22	0.11
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD2	24	0.11
(3,39)	1:43:A:PHE:H	1:25:A:LYS:HE3	23	0.11
(3,29)	1:25:A:LYS:H	1:24:A:LYS:HB3	8	0.11
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD11	6	0.11
(3,23)	1:36:A:ILE:H	1:30:A:ILE:HD12	10	0.11
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG21	8	0.11
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG22	11	0.11
(3,19)	1:36:A:ILE:H	1:36:A:ILE:HG22	14	0.11
(3,18)	1:36:A:ILE:H	1:36:A:ILE:HB	24	0.11
(3,16)	1:25:A:LYS:H	1:25:A:LYS:HB3	13	0.11
(3,12)	1:36:A:ILE:HB	1:36:A:ILE:HD11	7	0.11
(3,12)	1:36:A:ILE:HB	1:36:A:ILE:HD13	23	0.11
(2,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	5	0.11
(2,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	20	0.11
(2,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	8	0.11
(2,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	9	0.11
(2,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	18	0.11
(2,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	23	0.11
(2,628)	1:9:A:THR:HG21	1:28:A:LYS:HD3	10	0.11
(2,624)	1:14:A:LYS:HG2	1:14:A:LYS:HE3	8	0.11
(2,624)	1:14:A:LYS:HG2	1:14:A:LYS:HE3	12	0.11
(2,620)	1:18:A:LYS:HA	1:18:A:LYS:HB3	4	0.11
(2,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD3	15	0.11
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD3	9	0.11
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	23	0.11
(2,614)	1:24:A:LYS:HA	1:24:A:LYS:HB2	5	0.11
(2,614)	1:24:A:LYS:HA	1:24:A:LYS:HB3	16	0.11
(2,614)	1:24:A:LYS:HA	1:24:A:LYS:HB2	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,614)	1:24:A:LYS:HA	1:24:A:LYS:HB3	21	0.11
(2,609)	1:3:A:LYS:H	1:3:A:LYS:HB2	6	0.11
(2,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	1	0.11
(2,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	10	0.11
(2,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	15	0.11
(2,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE1	16	0.11
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	9	0.11
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	14	0.11
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	20	0.11
(2,550)	1:10:A:TYR:H	1:8:A:CYS:HA	11	0.11
(2,548)	1:23:A:CYS:H	1:28:A:LYS:H	6	0.11
(2,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD3	15	0.11
(2,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	9	0.11
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	21	0.11
(2,528)	1:30:A:ILE:HG23	1:30:A:ILE:HG12	14	0.11
(2,528)	1:30:A:ILE:HG23	1:30:A:ILE:HG12	22	0.11
(2,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	9	0.11
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	19	0.11
(2,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	1	0.11
(2,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	5	0.11
(2,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	12	0.11
(2,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	13	0.11
(2,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	14	0.11
(2,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	16	0.11
(2,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	24	0.11
(2,500)	1:22:A:SER:HA	1:29:A:VAL:HA	14	0.11
(2,500)	1:22:A:SER:HA	1:29:A:VAL:HA	18	0.11
(2,500)	1:22:A:SER:HA	1:29:A:VAL:HA	19	0.11
(2,500)	1:22:A:SER:HA	1:29:A:VAL:HA	20	0.11
(2,500)	1:22:A:SER:HA	1:29:A:VAL:HA	24	0.11
(2,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	1	0.11
(2,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	6	0.11
(2,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	16	0.11
(2,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	23	0.11
(2,477)	1:9:A:THR:HB	1:30:A:ILE:HG21	5	0.11
(2,457)	1:39:A:CYS:H	1:38:A:MET:HA	8	0.11
(2,451)	1:31:A:CYS:H	1:30:A:ILE:HA	11	0.11
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	20	0.11
(2,434)	1:10:A:TYR:H	1:11:A:CYS:H	15	0.11
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	10	0.11
(2,433)	1:20:A:ASN:H	1:21:A:ALA:H	21	0.11
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB3	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,408)	1:30:A:ILE:H	1:21:A:ALA:HB1	21	0.11
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD3	16	0.11
(2,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD3	18	0.11
(2,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	3	0.11
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	9	0.11
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	11	0.11
(2,385)	1:29:A:VAL:H	1:9:A:THR:HB	18	0.11
(2,380)	1:4:A:LYS:H	1:5:A:ARG:H	15	0.11
(2,379)	1:3:A:LYS:H	1:4:A:LYS:H	19	0.11
(2,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	18	0.11
(2,367)	1:35:A:ASN:H	1:34:A:HIS:HB3	21	0.11
(2,365)	1:30:A:ILE:HD13	1:39:A:CYS:HB3	12	0.11
(2,361)	1:29:A:VAL:HG12	1:22:A:SER:HB3	4	0.11
(2,359)	1:27:A:LYS:H	1:24:A:LYS:HA	15	0.11
(2,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	5	0.11
(2,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	10	0.11
(2,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	16	0.11
(2,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	18	0.11
(2,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	22	0.11
(2,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	12	0.11
(2,342)	1:5:A:ARG:HA	1:5:A:ARG:HB2	24	0.11
(2,340)	1:27:A:LYS:HA	1:27:A:LYS:HB3	3	0.11
(2,333)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	19	0.11
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	2	0.11
(2,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	7	0.11
(2,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	19	0.11
(2,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	7	0.11
(2,316)	1:15:A:ILE:HG23	1:17:A:ARG:HG2	23	0.11
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	6	0.11
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	7	0.11
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	8	0.11
(2,312)	1:15:A:ILE:H	1:13:A:SER:HA	21	0.11
(2,310)	1:11:A:CYS:H	1:9:A:THR:HA	6	0.11
(2,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	24	0.11
(2,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	4	0.11
(2,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	22	0.11
(2,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	22	0.11
(2,273)	1:9:A:THR:H	1:29:A:VAL:HG23	9	0.11
(2,270)	1:41:A:SER:H	1:39:A:CYS:HB2	10	0.11
(2,269)	1:23:A:CYS:H	1:29:A:VAL:HA	7	0.11
(2,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE3	2	0.11
(2,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE3	14	0.11
(2,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	15	0.11
(2,265)	1:3:A:LYS:HG2	1:3:A:LYS:HE3	21	0.11
(2,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	10	0.11
(2,262)	1:17:A:ARG:HA	1:17:A:ARG:HG2	17	0.11
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB2	1	0.11
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB3	3	0.11
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB3	7	0.11
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB2	8	0.11
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB2	9	0.11
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB2	15	0.11
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB2	17	0.11
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB3	18	0.11
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB3	19	0.11
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB2	20	0.11
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB2	24	0.11
(2,258)	1:3:A:LYS:H	1:2:A:MET:HB2	11	0.11
(2,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	5	0.11
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	7	0.11
(2,251)	1:13:A:SER:H	1:12:A:PRO:HB3	4	0.11
(2,246)	1:17:A:ARG:H	1:15:A:ILE:HG21	8	0.11
(2,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	8	0.11
(2,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG3	23	0.11
(2,230)	1:8:A:CYS:HA	1:29:A:VAL:HG21	16	0.11
(2,225)	1:28:A:LYS:HA	1:28:A:LYS:HD2	2	0.11
(2,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	1	0.11
(2,216)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	1	0.11
(2,216)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	2	0.11
(2,207)	1:30:A:ILE:H	1:22:A:SER:HA	2	0.11
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	9	0.11
(2,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	14	0.11
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	2	0.11
(2,198)	1:16:A:ARG:H	1:17:A:ARG:H	12	0.11
(2,190)	1:10:A:TYR:H	1:9:A:THR:HA	4	0.11
(2,190)	1:10:A:TYR:H	1:9:A:THR:HA	7	0.11
(2,190)	1:10:A:TYR:H	1:9:A:THR:HA	11	0.11
(2,190)	1:10:A:TYR:H	1:9:A:THR:HA	12	0.11
(2,190)	1:10:A:TYR:H	1:9:A:THR:HA	22	0.11
(2,190)	1:10:A:TYR:H	1:9:A:THR:HA	24	0.11
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	2	0.11
(2,187)	1:23:A:CYS:HA	1:38:A:MET:HA	17	0.11
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,174)	1:29:A:VAL:HB	1:19:A:ALA:HB2	14	0.11
(2,170)	1:29:A:VAL:HA	1:29:A:VAL:HG12	6	0.11
(2,170)	1:29:A:VAL:HA	1:29:A:VAL:HG12	7	0.11
(2,170)	1:29:A:VAL:HA	1:29:A:VAL:HG13	9	0.11
(2,170)	1:29:A:VAL:HA	1:29:A:VAL:HG12	12	0.11
(2,170)	1:29:A:VAL:HA	1:29:A:VAL:HG11	21	0.11
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	8	0.11
(2,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	16	0.11
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB3	13	0.11
(2,161)	1:38:A:MET:HA	1:38:A:MET:HB3	22	0.11
(2,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	2	0.11
(2,149)	1:5:A:ARG:H	1:5:A:ARG:HB2	3	0.11
(2,149)	1:5:A:ARG:H	1:5:A:ARG:HB2	20	0.11
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	13	0.11
(2,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	7	0.11
(2,137)	1:23:A:CYS:H	1:23:A:CYS:HA	1	0.11
(2,137)	1:23:A:CYS:H	1:23:A:CYS:HA	5	0.11
(2,137)	1:23:A:CYS:H	1:23:A:CYS:HA	7	0.11
(2,137)	1:23:A:CYS:H	1:23:A:CYS:HA	8	0.11
(2,137)	1:23:A:CYS:H	1:23:A:CYS:HA	10	0.11
(2,137)	1:23:A:CYS:H	1:23:A:CYS:HA	17	0.11
(2,137)	1:23:A:CYS:H	1:23:A:CYS:HA	21	0.11
(2,137)	1:23:A:CYS:H	1:23:A:CYS:HA	23	0.11
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	7	0.11
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	11	0.11
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	15	0.11
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	23	0.11
(2,131)	1:32:A:ARG:H	1:33:A:GLU:H	8	0.11
(2,131)	1:32:A:ARG:H	1:33:A:GLU:H	18	0.11
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	10	0.11
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	22	0.11
(2,121)	1:33:A:GLU:H	1:33:A:GLU:HB2	4	0.11
(2,121)	1:33:A:GLU:H	1:33:A:GLU:HB2	9	0.11
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	21	0.11
(2,113)	1:28:A:LYS:H	1:27:A:LYS:HA	14	0.11
(2,113)	1:28:A:LYS:H	1:27:A:LYS:HA	20	0.11
(2,113)	1:28:A:LYS:H	1:27:A:LYS:HA	22	0.11
(2,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	3	0.11
(2,108)	1:32:A:ARG:HA	1:32:A:ARG:HB3	2	0.11
(2,108)	1:32:A:ARG:HA	1:32:A:ARG:HB3	21	0.11
(2,107)	1:32:A:ARG:HB2	1:32:A:ARG:HD2	11	0.11
(2,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,106)	1:3:A:LYS:H	1:3:A:LYS:HA	4	0.11
(2,106)	1:3:A:LYS:H	1:3:A:LYS:HA	16	0.11
(2,101)	1:35:A:ASN:H	1:35:A:ASN:HB2	13	0.11
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	13	0.11
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	14	0.11
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	15	0.11
(2,100)	1:35:A:ASN:H	1:35:A:ASN:HA	19	0.11
(2,98)	1:30:A:ILE:HA	1:30:A:ILE:HG21	2	0.11
(2,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	4	0.11
(2,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	11	0.11
(2,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	14	0.11
(2,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	19	0.11
(2,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	20	0.11
(2,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE1	6	0.11
(2,75)	1:30:A:ILE:HG21	1:10:A:TYR:HD2	3	0.11
(2,75)	1:30:A:ILE:HG21	1:10:A:TYR:HD2	16	0.11
(2,75)	1:30:A:ILE:HG21	1:10:A:TYR:HD1	22	0.11
(2,69)	1:30:A:ILE:HD12	1:23:A:CYS:HB2	7	0.11
(2,68)	1:30:A:ILE:HB	1:30:A:ILE:HD12	18	0.11
(2,68)	1:30:A:ILE:HB	1:30:A:ILE:HD12	20	0.11
(2,68)	1:30:A:ILE:HB	1:30:A:ILE:HD13	22	0.11
(2,66)	1:22:A:SER:H	1:21:A:ALA:HA	6	0.11
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	11	0.11
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	15	0.11
(2,60)	1:10:A:TYR:H	1:10:A:TYR:HA	4	0.11
(2,60)	1:10:A:TYR:H	1:10:A:TYR:HA	11	0.11
(2,60)	1:10:A:TYR:H	1:10:A:TYR:HA	13	0.11
(2,58)	1:19:A:ALA:H	1:19:A:ALA:HA	2	0.11
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	3	0.11
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	9	0.11
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD2	10	0.11
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	11	0.11
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	12	0.11
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	14	0.11
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD2	17	0.11
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD2	19	0.11
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD2	21	0.11
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	23	0.11
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD2	24	0.11
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	1	0.11
(2,40)	1:22:A:SER:H	1:22:A:SER:HA	11	0.11
(2,38)	1:20:A:ASN:HB3	1:20:A:ASN:HD21	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	13	0.11
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	19	0.11
(2,37)	1:6:A:THR:H	1:6:A:THR:HA	22	0.11
(2,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	22	0.11
(2,28)	1:20:A:ASN:HA	1:20:A:ASN:HB3	8	0.11
(2,28)	1:20:A:ASN:HA	1:20:A:ASN:HB3	11	0.11
(2,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	15	0.11
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	8	0.11
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	11	0.11
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	13	0.11
(2,24)	1:21:A:ALA:H	1:21:A:ALA:HA	23	0.11
(2,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	16	0.11
(2,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	1	0.11
(2,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	12	0.11
(2,17)	1:42:A:CYS:H	1:41:A:SER:HA	22	0.11
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	4	0.11
(2,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	22	0.11
(1,647)	1:14:A:LYS:HG2	1:14:A:LYS:HD3	5	0.11
(1,641)	1:24:A:LYS:HG3	1:24:A:LYS:HD2	20	0.11
(1,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	8	0.11
(1,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	9	0.11
(1,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	18	0.11
(1,636)	1:24:A:LYS:HB2	1:24:A:LYS:HD3	23	0.11
(1,628)	1:9:A:THR:HG21	1:28:A:LYS:HD3	10	0.11
(1,624)	1:14:A:LYS:HG2	1:14:A:LYS:HE3	8	0.11
(1,624)	1:14:A:LYS:HG2	1:14:A:LYS:HE3	12	0.11
(1,620)	1:18:A:LYS:HA	1:18:A:LYS:HB3	4	0.11
(1,619)	1:29:A:VAL:HG11	1:5:A:ARG:HD3	15	0.11
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD3	9	0.11
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	23	0.11
(1,614)	1:24:A:LYS:HA	1:24:A:LYS:HB2	5	0.11
(1,614)	1:24:A:LYS:HA	1:24:A:LYS:HB3	16	0.11
(1,614)	1:24:A:LYS:HA	1:24:A:LYS:HB2	18	0.11
(1,614)	1:24:A:LYS:HA	1:24:A:LYS:HB3	21	0.11
(1,609)	1:3:A:LYS:H	1:3:A:LYS:HB2	6	0.11
(1,601)	1:16:A:ARG:H	1:16:A:ARG:HG3	1	0.11
(1,593)	1:18:A:LYS:H	1:18:A:LYS:HB2	10	0.11
(1,592)	1:28:A:LYS:H	1:28:A:LYS:HG3	15	0.11
(1,591)	1:18:A:LYS:HG3	1:7:A:TYR:HE1	16	0.11
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	9	0.11
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	14	0.11
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:10:A:TYR:H	1:8:A:CYS:HA	11	0.11
(1,548)	1:23:A:CYS:H	1:28:A:LYS:H	6	0.11
(1,545)	1:15:A:ILE:HG23	1:17:A:ARG:HD3	15	0.11
(1,543)	1:22:A:SER:HA	1:30:A:ILE:HG13	9	0.11
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	21	0.11
(1,528)	1:30:A:ILE:HG23	1:30:A:ILE:HG12	14	0.11
(1,528)	1:30:A:ILE:HG23	1:30:A:ILE:HG12	22	0.11
(1,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	9	0.11
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	19	0.11
(1,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	1	0.11
(1,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	5	0.11
(1,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	12	0.11
(1,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	13	0.11
(1,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	14	0.11
(1,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	16	0.11
(1,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	24	0.11
(1,500)	1:22:A:SER:HA	1:29:A:VAL:HA	14	0.11
(1,500)	1:22:A:SER:HA	1:29:A:VAL:HA	18	0.11
(1,500)	1:22:A:SER:HA	1:29:A:VAL:HA	19	0.11
(1,500)	1:22:A:SER:HA	1:29:A:VAL:HA	20	0.11
(1,500)	1:22:A:SER:HA	1:29:A:VAL:HA	24	0.11
(1,479)	1:9:A:THR:HB	1:28:A:LYS:HG2	1	0.11
(1,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	6	0.11
(1,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE2	16	0.11
(1,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	23	0.11
(1,477)	1:9:A:THR:HB	1:30:A:ILE:HG21	5	0.11
(1,457)	1:39:A:CYS:H	1:38:A:MET:HA	8	0.11
(1,451)	1:31:A:CYS:H	1:30:A:ILE:HA	11	0.11
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	20	0.11
(1,434)	1:10:A:TYR:H	1:11:A:CYS:H	15	0.11
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	10	0.11
(1,433)	1:20:A:ASN:H	1:21:A:ALA:H	21	0.11
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB3	3	0.11
(1,408)	1:30:A:ILE:H	1:21:A:ALA:HB1	21	0.11
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD3	16	0.11
(1,400)	1:16:A:ARG:HB3	1:16:A:ARG:HD3	18	0.11
(1,399)	1:16:A:ARG:HG2	1:16:A:ARG:HD3	3	0.11
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	9	0.11
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	11	0.11
(1,385)	1:29:A:VAL:H	1:9:A:THR:HB	18	0.11
(1,380)	1:4:A:LYS:H	1:5:A:ARG:H	15	0.11
(1,379)	1:3:A:LYS:H	1:4:A:LYS:H	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,371)	1:18:A:LYS:HA	1:7:A:TYR:HA	18	0.11
(1,367)	1:35:A:ASN:H	1:34:A:HIS:HB3	21	0.11
(1,365)	1:30:A:ILE:HD13	1:39:A:CYS:HB3	12	0.11
(1,361)	1:29:A:VAL:HG12	1:22:A:SER:HB3	4	0.11
(1,359)	1:27:A:LYS:H	1:24:A:LYS:HA	15	0.11
(1,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	5	0.11
(1,353)	1:14:A:LYS:H	1:12:A:PRO:HB2	10	0.11
(1,348)	1:15:A:ILE:H	1:12:A:PRO:HB2	16	0.11
(1,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	18	0.11
(1,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	22	0.11
(1,343)	1:5:A:ARG:HB3	1:5:A:ARG:HD2	12	0.11
(1,342)	1:5:A:ARG:HA	1:5:A:ARG:HB2	24	0.11
(1,340)	1:27:A:LYS:HA	1:27:A:LYS:HB3	3	0.11
(1,333)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	19	0.11
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	2	0.11
(1,331)	1:30:A:ILE:HA	1:8:A:CYS:HB2	7	0.11
(1,322)	1:18:A:LYS:H	1:17:A:ARG:HB3	19	0.11
(1,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	7	0.11
(1,316)	1:15:A:ILE:HG23	1:17:A:ARG:HG2	23	0.11
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	6	0.11
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	7	0.11
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	8	0.11
(1,312)	1:15:A:ILE:H	1:13:A:SER:HA	21	0.11
(1,310)	1:11:A:CYS:H	1:9:A:THR:HA	6	0.11
(1,307)	1:31:A:CYS:H	1:34:A:HIS:HB3	24	0.11
(1,305)	1:17:A:ARG:HA	1:17:A:ARG:HD3	4	0.11
(1,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	22	0.11
(1,277)	1:8:A:CYS:H	1:19:A:ALA:HB3	22	0.11
(1,273)	1:9:A:THR:H	1:29:A:VAL:HG23	9	0.11
(1,270)	1:41:A:SER:H	1:39:A:CYS:HB2	10	0.11
(1,269)	1:23:A:CYS:H	1:29:A:VAL:HA	7	0.11
(1,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE3	2	0.11
(1,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	12	0.11
(1,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE3	14	0.11
(1,265)	1:3:A:LYS:HG3	1:3:A:LYS:HE2	15	0.11
(1,265)	1:3:A:LYS:HG2	1:3:A:LYS:HE3	21	0.11
(1,264)	1:3:A:LYS:HA	1:3:A:LYS:HD3	10	0.11
(1,262)	1:17:A:ARG:HA	1:17:A:ARG:HG2	17	0.11
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB2	1	0.11
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB3	3	0.11
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB3	7	0.11
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB2	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB2	9	0.11
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB2	15	0.11
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB2	17	0.11
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB3	18	0.11
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB3	19	0.11
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB2	20	0.11
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB2	24	0.11
(1,258)	1:3:A:LYS:H	1:2:A:MET:HB2	11	0.11
(1,255)	1:4:A:LYS:H	1:4:A:LYS:HG2	5	0.11
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	7	0.11
(1,251)	1:13:A:SER:H	1:12:A:PRO:HB3	4	0.11
(1,246)	1:17:A:ARG:H	1:15:A:ILE:HG21	8	0.11
(1,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	8	0.11
(1,237)	1:24:A:LYS:HB2	1:24:A:LYS:HG3	23	0.11
(1,230)	1:8:A:CYS:HA	1:29:A:VAL:HG21	16	0.11
(1,225)	1:28:A:LYS:HA	1:28:A:LYS:HD2	2	0.11
(1,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	1	0.11
(1,216)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	1	0.11
(1,216)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	2	0.11
(1,207)	1:30:A:ILE:H	1:22:A:SER:HA	2	0.11
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	9	0.11
(1,206)	1:28:A:LYS:H	1:23:A:CYS:HB3	14	0.11
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	2	0.11
(1,198)	1:16:A:ARG:H	1:17:A:ARG:H	12	0.11
(1,190)	1:10:A:TYR:H	1:9:A:THR:HA	4	0.11
(1,190)	1:10:A:TYR:H	1:9:A:THR:HA	7	0.11
(1,190)	1:10:A:TYR:H	1:9:A:THR:HA	11	0.11
(1,190)	1:10:A:TYR:H	1:9:A:THR:HA	12	0.11
(1,190)	1:10:A:TYR:H	1:9:A:THR:HA	22	0.11
(1,190)	1:10:A:TYR:H	1:9:A:THR:HA	24	0.11
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	2	0.11
(1,187)	1:23:A:CYS:HA	1:38:A:MET:HA	17	0.11
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	3	0.11
(1,174)	1:29:A:VAL:HB	1:19:A:ALA:HB2	14	0.11
(1,170)	1:29:A:VAL:HA	1:29:A:VAL:HG12	6	0.11
(1,170)	1:29:A:VAL:HA	1:29:A:VAL:HG12	7	0.11
(1,170)	1:29:A:VAL:HA	1:29:A:VAL:HG13	9	0.11
(1,170)	1:29:A:VAL:HA	1:29:A:VAL:HG12	12	0.11
(1,170)	1:29:A:VAL:HA	1:29:A:VAL:HG11	21	0.11
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	8	0.11
(1,163)	1:30:A:ILE:HA	1:8:A:CYS:HA	16	0.11
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB3	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:38:A:MET:HA	1:38:A:MET:HB3	22	0.11
(1,153)	1:8:A:CYS:H	1:7:A:TYR:HB3	2	0.11
(1,149)	1:5:A:ARG:H	1:5:A:ARG:HB2	3	0.11
(1,149)	1:5:A:ARG:H	1:5:A:ARG:HB2	20	0.11
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	13	0.11
(1,138)	1:23:A:CYS:H	1:23:A:CYS:HB2	7	0.11
(1,137)	1:23:A:CYS:H	1:23:A:CYS:HA	1	0.11
(1,137)	1:23:A:CYS:H	1:23:A:CYS:HA	5	0.11
(1,137)	1:23:A:CYS:H	1:23:A:CYS:HA	7	0.11
(1,137)	1:23:A:CYS:H	1:23:A:CYS:HA	8	0.11
(1,137)	1:23:A:CYS:H	1:23:A:CYS:HA	10	0.11
(1,137)	1:23:A:CYS:H	1:23:A:CYS:HA	17	0.11
(1,137)	1:23:A:CYS:H	1:23:A:CYS:HA	21	0.11
(1,137)	1:23:A:CYS:H	1:23:A:CYS:HA	23	0.11
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	7	0.11
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	11	0.11
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	15	0.11
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	23	0.11
(1,131)	1:32:A:ARG:H	1:33:A:GLU:H	8	0.11
(1,131)	1:32:A:ARG:H	1:33:A:GLU:H	18	0.11
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	10	0.11
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	22	0.11
(1,121)	1:33:A:GLU:H	1:33:A:GLU:HB2	4	0.11
(1,121)	1:33:A:GLU:H	1:33:A:GLU:HB2	9	0.11
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	21	0.11
(1,113)	1:28:A:LYS:H	1:27:A:LYS:HA	14	0.11
(1,113)	1:28:A:LYS:H	1:27:A:LYS:HA	20	0.11
(1,113)	1:28:A:LYS:H	1:27:A:LYS:HA	22	0.11
(1,111)	1:28:A:LYS:H	1:28:A:LYS:HB2	3	0.11
(1,108)	1:32:A:ARG:HA	1:32:A:ARG:HB3	2	0.11
(1,108)	1:32:A:ARG:HA	1:32:A:ARG:HB3	21	0.11
(1,107)	1:32:A:ARG:HB2	1:32:A:ARG:HD2	11	0.11
(1,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD3	20	0.11
(1,106)	1:3:A:LYS:H	1:3:A:LYS:HA	4	0.11
(1,106)	1:3:A:LYS:H	1:3:A:LYS:HA	16	0.11
(1,101)	1:35:A:ASN:H	1:35:A:ASN:HB2	13	0.11
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	13	0.11
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	14	0.11
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	15	0.11
(1,100)	1:35:A:ASN:H	1:35:A:ASN:HA	19	0.11
(1,98)	1:30:A:ILE:HA	1:30:A:ILE:HG21	2	0.11
(1,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	11	0.11
(1,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	14	0.11
(1,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	19	0.11
(1,94)	1:38:A:MET:HB2	1:38:A:MET:HG3	20	0.11
(1,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE1	6	0.11
(1,75)	1:30:A:ILE:HG21	1:10:A:TYR:HD2	3	0.11
(1,75)	1:30:A:ILE:HG21	1:10:A:TYR:HD2	16	0.11
(1,75)	1:30:A:ILE:HG21	1:10:A:TYR:HD1	22	0.11
(1,69)	1:30:A:ILE:HD12	1:23:A:CYS:HB2	7	0.11
(1,68)	1:30:A:ILE:HB	1:30:A:ILE:HD12	18	0.11
(1,68)	1:30:A:ILE:HB	1:30:A:ILE:HD12	20	0.11
(1,68)	1:30:A:ILE:HB	1:30:A:ILE:HD13	22	0.11
(1,66)	1:22:A:SER:H	1:21:A:ALA:HA	6	0.11
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	11	0.11
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	15	0.11
(1,60)	1:10:A:TYR:H	1:10:A:TYR:HA	4	0.11
(1,60)	1:10:A:TYR:H	1:10:A:TYR:HA	11	0.11
(1,60)	1:10:A:TYR:H	1:10:A:TYR:HA	13	0.11
(1,58)	1:19:A:ALA:H	1:19:A:ALA:HA	2	0.11
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	3	0.11
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	9	0.11
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD2	10	0.11
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	11	0.11
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	12	0.11
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	14	0.11
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD2	17	0.11
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD2	19	0.11
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD2	21	0.11
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD1	23	0.11
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD2	24	0.11
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	1	0.11
(1,40)	1:22:A:SER:H	1:22:A:SER:HA	11	0.11
(1,38)	1:20:A:ASN:HB3	1:20:A:ASN:HD21	11	0.11
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	13	0.11
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	19	0.11
(1,37)	1:6:A:THR:H	1:6:A:THR:HA	22	0.11
(1,31)	1:20:A:ASN:H	1:19:A:ALA:HB1	22	0.11
(1,28)	1:20:A:ASN:HA	1:20:A:ASN:HB3	8	0.11
(1,28)	1:20:A:ASN:HA	1:20:A:ASN:HB3	11	0.11
(1,27)	1:21:A:ALA:H	1:20:A:ASN:HB2	15	0.11
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	8	0.11
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	13	0.11
(1,24)	1:21:A:ALA:H	1:21:A:ALA:HA	23	0.11
(1,23)	1:21:A:ALA:H	1:21:A:ALA:HB3	16	0.11
(1,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	1	0.11
(1,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	12	0.11
(1,17)	1:42:A:CYS:H	1:41:A:SER:HA	22	0.11
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	4	0.11
(1,8)	1:39:A:CYS:HB2	1:10:A:TYR:HE1	22	0.11
(3,94)	1:25:A:LYS:H	1:26:A:CYS:H	20	0.1
(3,76)	1:25:A:LYS:HB2	1:25:A:LYS:HD3	3	0.1
(3,76)	1:25:A:LYS:HB3	1:25:A:LYS:HD3	11	0.1
(3,74)	1:25:A:LYS:HD3	1:25:A:LYS:HE3	7	0.1
(3,74)	1:25:A:LYS:HD2	1:25:A:LYS:HE2	13	0.1
(3,74)	1:25:A:LYS:HD3	1:25:A:LYS:HE2	16	0.1
(3,74)	1:25:A:LYS:HD2	1:25:A:LYS:HE3	17	0.1
(3,74)	1:25:A:LYS:HD2	1:25:A:LYS:HE3	21	0.1
(3,74)	1:25:A:LYS:HD2	1:25:A:LYS:HE3	23	0.1
(3,60)	1:25:A:LYS:H	1:25:A:LYS:HD3	20	0.1
(3,44)	1:38:A:MET:H	1:36:A:ILE:HG23	11	0.1
(3,17)	1:26:A:CYS:H	1:25:A:LYS:HB3	1	0.1
(3,15)	1:36:A:ILE:HG22	1:38:A:MET:HB3	6	0.1
(3,12)	1:36:A:ILE:HB	1:36:A:ILE:HD13	13	0.1
(3,12)	1:36:A:ILE:HB	1:36:A:ILE:HD12	15	0.1
(3,11)	1:36:A:ILE:HB	1:36:A:ILE:HG23	13	0.1
(3,5)	1:25:A:LYS:HA	1:25:A:LYS:HG3	2	0.1
(2,640)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	1	0.1
(2,624)	1:14:A:LYS:HG2	1:14:A:LYS:HE3	1	0.1
(2,618)	1:18:A:LYS:HA	1:18:A:LYS:HD3	3	0.1
(2,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	12	0.1
(2,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	2	0.1
(2,607)	1:2:A:MET:HA	1:2:A:MET:HG3	20	0.1
(2,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	13	0.1
(2,598)	1:24:A:LYS:H	1:24:A:LYS:HB3	5	0.1
(2,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	16	0.1
(2,574)	1:1:A:VAL:HA	1:1:A:VAL:HG12	13	0.1
(2,574)	1:1:A:VAL:HA	1:1:A:VAL:HG21	17	0.1
(2,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	11	0.1
(2,550)	1:10:A:TYR:H	1:8:A:CYS:HA	8	0.1
(2,545)	1:15:A:ILE:HG21	1:17:A:ARG:HD3	14	0.1
(2,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	5	0.1
(2,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	12	0.1
(2,511)	1:6:A:THR:HA	1:6:A:THR:HG23	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	2	0.1
(2,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	2	0.1
(2,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	10	0.1
(2,500)	1:22:A:SER:HA	1:29:A:VAL:HA	15	0.1
(2,500)	1:22:A:SER:HA	1:29:A:VAL:HA	21	0.1
(2,500)	1:22:A:SER:HA	1:29:A:VAL:HA	23	0.1
(2,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	7	0.1
(2,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	19	0.1
(2,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	20	0.1
(2,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	7	0.1
(2,416)	1:30:A:ILE:H	1:22:A:SER:HB3	6	0.1
(2,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	2	0.1
(2,396)	1:4:A:LYS:HA	1:4:A:LYS:HB2	6	0.1
(2,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	17	0.1
(2,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	1	0.1
(2,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	2	0.1
(2,333)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	20	0.1
(2,330)	1:39:A:CYS:HA	1:30:A:ILE:HD13	8	0.1
(2,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	24	0.1
(2,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	3	0.1
(2,304)	1:30:A:ILE:HD12	1:30:A:ILE:HG12	23	0.1
(2,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	8	0.1
(2,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	5	0.1
(2,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	20	0.1
(2,278)	1:29:A:VAL:HG11	1:5:A:ARG:HB3	7	0.1
(2,278)	1:29:A:VAL:HG11	1:5:A:ARG:HB3	16	0.1
(2,271)	1:35:A:ASN:H	1:32:A:ARG:HA	3	0.1
(2,265)	1:3:A:LYS:HG2	1:3:A:LYS:HE2	18	0.1
(2,265)	1:3:A:LYS:HG2	1:3:A:LYS:HE3	20	0.1
(2,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	10	0.1
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB2	2	0.1
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB2	6	0.1
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB2	16	0.1
(2,259)	1:2:A:MET:HA	1:2:A:MET:HB2	22	0.1
(2,254)	1:3:A:LYS:H	1:2:A:MET:HA	9	0.1
(2,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	9	0.1
(2,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	14	0.1
(2,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	13	0.1
(2,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	12	0.1
(2,203)	1:32:A:ARG:H	1:31:A:CYS:HA	6	0.1
(2,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	2	0.1
(2,190)	1:10:A:TYR:H	1:9:A:THR:HA	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,190)	1:10:A:TYR:H	1:9:A:THR:HA	9	0.1
(2,190)	1:10:A:TYR:H	1:9:A:THR:HA	23	0.1
(2,185)	1:39:A:CYS:H	1:23:A:CYS:HA	5	0.1
(2,170)	1:29:A:VAL:HA	1:29:A:VAL:HG12	10	0.1
(2,170)	1:29:A:VAL:HA	1:29:A:VAL:HG11	13	0.1
(2,170)	1:29:A:VAL:HA	1:29:A:VAL:HG11	18	0.1
(2,170)	1:29:A:VAL:HA	1:29:A:VAL:HG12	23	0.1
(2,162)	1:39:A:CYS:H	1:38:A:MET:HG3	21	0.1
(2,152)	1:21:A:ALA:H	1:19:A:ALA:HA	20	0.1
(2,144)	1:11:A:CYS:H	1:10:A:TYR:HB2	9	0.1
(2,144)	1:11:A:CYS:H	1:10:A:TYR:HB2	20	0.1
(2,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	20	0.1
(2,140)	1:23:A:CYS:H	1:22:A:SER:HB3	18	0.1
(2,137)	1:23:A:CYS:H	1:23:A:CYS:HA	4	0.1
(2,137)	1:23:A:CYS:H	1:23:A:CYS:HA	16	0.1
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	14	0.1
(2,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	22	0.1
(2,131)	1:32:A:ARG:H	1:33:A:GLU:H	10	0.1
(2,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	8	0.1
(2,127)	1:38:A:MET:H	1:38:A:MET:HB3	6	0.1
(2,127)	1:38:A:MET:H	1:38:A:MET:HB3	12	0.1
(2,123)	1:35:A:ASN:H	1:34:A:HIS:HA	2	0.1
(2,121)	1:33:A:GLU:H	1:33:A:GLU:HB2	15	0.1
(2,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	23	0.1
(2,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	2	0.1
(2,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	19	0.1
(2,106)	1:3:A:LYS:H	1:3:A:LYS:HA	20	0.1
(2,85)	1:34:A:HIS:HA	1:34:A:HIS:HD2	13	0.1
(2,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	17	0.1
(2,70)	1:30:A:ILE:HD11	1:35:A:ASN:HB3	23	0.1
(2,69)	1:30:A:ILE:HD13	1:23:A:CYS:HB2	4	0.1
(2,68)	1:30:A:ILE:HB	1:30:A:ILE:HD13	3	0.1
(2,65)	1:22:A:SER:H	1:21:A:ALA:HB3	6	0.1
(2,65)	1:22:A:SER:H	1:21:A:ALA:HB2	12	0.1
(2,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	5	0.1
(2,60)	1:10:A:TYR:H	1:10:A:TYR:HA	2	0.1
(2,60)	1:10:A:TYR:H	1:10:A:TYR:HA	3	0.1
(2,60)	1:10:A:TYR:H	1:10:A:TYR:HA	12	0.1
(2,60)	1:10:A:TYR:H	1:10:A:TYR:HA	18	0.1
(2,60)	1:10:A:TYR:H	1:10:A:TYR:HA	20	0.1
(2,60)	1:10:A:TYR:H	1:10:A:TYR:HA	21	0.1
(2,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD2	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	5	0.1
(2,40)	1:22:A:SER:H	1:22:A:SER:HA	15	0.1
(2,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	24	0.1
(2,26)	1:20:A:ASN:H	1:20:A:ASN:HB3	8	0.1
(2,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	9	0.1
(2,14)	1:41:A:SER:H	1:41:A:SER:HB3	23	0.1
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	13	0.1
(2,13)	1:41:A:SER:H	1:41:A:SER:HA	16	0.1
(2,10)	1:40:A:GLN:H	1:40:A:GLN:HA	18	0.1
(2,6)	1:42:A:CYS:H	1:42:A:CYS:HB2	14	0.1
(1,640)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	1	0.1
(1,624)	1:14:A:LYS:HG2	1:14:A:LYS:HE3	1	0.1
(1,618)	1:18:A:LYS:HA	1:18:A:LYS:HD3	3	0.1
(1,617)	1:16:A:ARG:HA	1:16:A:ARG:HG3	12	0.1
(1,616)	1:24:A:LYS:HA	1:24:A:LYS:HG3	2	0.1
(1,607)	1:2:A:MET:HA	1:2:A:MET:HG3	20	0.1
(1,606)	1:4:A:LYS:H	1:4:A:LYS:HB2	13	0.1
(1,598)	1:24:A:LYS:H	1:24:A:LYS:HB3	5	0.1
(1,583)	1:42:A:CYS:HA	1:42:A:CYS:HB3	16	0.1
(1,574)	1:1:A:VAL:HA	1:1:A:VAL:HG12	13	0.1
(1,574)	1:1:A:VAL:HA	1:1:A:VAL:HG21	17	0.1
(1,566)	1:31:A:CYS:HB3	1:8:A:CYS:HB3	11	0.1
(1,550)	1:10:A:TYR:H	1:8:A:CYS:HA	8	0.1
(1,545)	1:15:A:ILE:HG21	1:17:A:ARG:HD3	14	0.1
(1,540)	1:34:A:HIS:H	1:31:A:CYS:HB2	5	0.1
(1,521)	1:27:A:LYS:HB3	1:27:A:LYS:HD2	12	0.1
(1,511)	1:6:A:THR:HA	1:6:A:THR:HG23	12	0.1
(1,506)	1:15:A:ILE:HA	1:15:A:ILE:HD12	2	0.1
(1,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	2	0.1
(1,502)	1:10:A:TYR:HA	1:10:A:TYR:HB3	10	0.1
(1,500)	1:22:A:SER:HA	1:29:A:VAL:HA	15	0.1
(1,500)	1:22:A:SER:HA	1:29:A:VAL:HA	21	0.1
(1,500)	1:22:A:SER:HA	1:29:A:VAL:HA	23	0.1
(1,478)	1:28:A:LYS:HG2	1:28:A:LYS:HE3	7	0.1
(1,478)	1:28:A:LYS:HG3	1:28:A:LYS:HE3	19	0.1
(1,472)	1:23:A:CYS:HB2	1:28:A:LYS:HB2	20	0.1
(1,440)	1:7:A:TYR:H	1:7:A:TYR:HD1	7	0.1
(1,416)	1:30:A:ILE:H	1:22:A:SER:HB3	6	0.1
(1,402)	1:38:A:MET:HA	1:30:A:ILE:HD12	2	0.1
(1,396)	1:4:A:LYS:HA	1:4:A:LYS:HB2	6	0.1
(1,388)	1:11:A:CYS:H	1:8:A:CYS:HB3	17	0.1
(1,358)	1:29:A:VAL:HA	1:22:A:SER:HB3	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:5:A:ARG:HG2	1:5:A:ARG:HD3	2	0.1
(1,333)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	20	0.1
(1,330)	1:39:A:CYS:HA	1:30:A:ILE:HD13	8	0.1
(1,320)	1:30:A:ILE:H	1:30:A:ILE:HG13	24	0.1
(1,314)	1:10:A:TYR:HB3	1:34:A:HIS:HB2	3	0.1
(1,304)	1:30:A:ILE:HD12	1:30:A:ILE:HG12	23	0.1
(1,287)	1:30:A:ILE:HB	1:34:A:HIS:HB2	8	0.1
(1,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	5	0.1
(1,284)	1:26:A:CYS:H	1:23:A:CYS:HB3	20	0.1
(1,278)	1:29:A:VAL:HG11	1:5:A:ARG:HB3	7	0.1
(1,278)	1:29:A:VAL:HG11	1:5:A:ARG:HB3	16	0.1
(1,271)	1:35:A:ASN:H	1:32:A:ARG:HA	3	0.1
(1,265)	1:3:A:LYS:HG2	1:3:A:LYS:HE2	18	0.1
(1,265)	1:3:A:LYS:HG2	1:3:A:LYS:HE3	20	0.1
(1,260)	1:4:A:LYS:HA	1:4:A:LYS:HG2	10	0.1
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB2	2	0.1
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB2	6	0.1
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB2	16	0.1
(1,259)	1:2:A:MET:HA	1:2:A:MET:HB2	22	0.1
(1,254)	1:3:A:LYS:H	1:2:A:MET:HA	9	0.1
(1,238)	1:23:A:CYS:H	1:30:A:ILE:HD11	9	0.1
(1,237)	1:24:A:LYS:HB3	1:24:A:LYS:HG3	14	0.1
(1,234)	1:21:A:ALA:H	1:19:A:ALA:HB1	13	0.1
(1,218)	1:15:A:ILE:HG22	1:15:A:ILE:HG13	12	0.1
(1,203)	1:32:A:ARG:H	1:31:A:CYS:HA	6	0.1
(1,199)	1:17:A:ARG:H	1:17:A:ARG:HG3	2	0.1
(1,190)	1:10:A:TYR:H	1:9:A:THR:HA	3	0.1
(1,190)	1:10:A:TYR:H	1:9:A:THR:HA	9	0.1
(1,190)	1:10:A:TYR:H	1:9:A:THR:HA	23	0.1
(1,185)	1:39:A:CYS:H	1:23:A:CYS:HA	5	0.1
(1,170)	1:29:A:VAL:HA	1:29:A:VAL:HG12	10	0.1
(1,170)	1:29:A:VAL:HA	1:29:A:VAL:HG11	13	0.1
(1,170)	1:29:A:VAL:HA	1:29:A:VAL:HG11	18	0.1
(1,170)	1:29:A:VAL:HA	1:29:A:VAL:HG12	23	0.1
(1,162)	1:39:A:CYS:H	1:38:A:MET:HG3	21	0.1
(1,152)	1:21:A:ALA:H	1:19:A:ALA:HA	20	0.1
(1,144)	1:11:A:CYS:H	1:10:A:TYR:HB2	9	0.1
(1,144)	1:11:A:CYS:H	1:10:A:TYR:HB2	20	0.1
(1,142)	1:29:A:VAL:H	1:28:A:LYS:HB3	20	0.1
(1,140)	1:23:A:CYS:H	1:22:A:SER:HB3	18	0.1
(1,137)	1:23:A:CYS:H	1:23:A:CYS:HA	4	0.1
(1,137)	1:23:A:CYS:H	1:23:A:CYS:HA	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	14	0.1
(1,134)	1:32:A:ARG:H	1:32:A:ARG:HB2	22	0.1
(1,131)	1:32:A:ARG:H	1:33:A:GLU:H	10	0.1
(1,129)	1:40:A:GLN:H	1:39:A:CYS:HB2	8	0.1
(1,127)	1:38:A:MET:H	1:38:A:MET:HB3	6	0.1
(1,127)	1:38:A:MET:H	1:38:A:MET:HB3	12	0.1
(1,123)	1:35:A:ASN:H	1:34:A:HIS:HA	2	0.1
(1,121)	1:33:A:GLU:H	1:33:A:GLU:HB2	15	0.1
(1,115)	1:27:A:LYS:HA	1:27:A:LYS:HG2	23	0.1
(1,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	2	0.1
(1,107)	1:32:A:ARG:HB3	1:32:A:ARG:HD2	19	0.1
(1,106)	1:3:A:LYS:H	1:3:A:LYS:HA	20	0.1
(1,85)	1:34:A:HIS:HA	1:34:A:HIS:HD2	13	0.1
(1,79)	1:18:A:LYS:HD2	1:7:A:TYR:HE2	17	0.1
(1,70)	1:30:A:ILE:HD11	1:35:A:ASN:HB3	23	0.1
(1,69)	1:30:A:ILE:HD13	1:23:A:CYS:HB2	4	0.1
(1,68)	1:30:A:ILE:HB	1:30:A:ILE:HD13	3	0.1
(1,65)	1:22:A:SER:H	1:21:A:ALA:HB3	6	0.1
(1,65)	1:22:A:SER:H	1:21:A:ALA:HB2	12	0.1
(1,63)	1:8:A:CYS:H	1:8:A:CYS:HB2	5	0.1
(1,60)	1:10:A:TYR:H	1:10:A:TYR:HA	2	0.1
(1,60)	1:10:A:TYR:H	1:10:A:TYR:HA	3	0.1
(1,60)	1:10:A:TYR:H	1:10:A:TYR:HA	12	0.1
(1,60)	1:10:A:TYR:H	1:10:A:TYR:HA	18	0.1
(1,60)	1:10:A:TYR:H	1:10:A:TYR:HA	20	0.1
(1,60)	1:10:A:TYR:H	1:10:A:TYR:HA	21	0.1
(1,55)	1:10:A:TYR:HB3	1:10:A:TYR:HD2	4	0.1
(1,43)	1:11:A:CYS:HA	1:34:A:HIS:HE1	5	0.1
(1,40)	1:22:A:SER:H	1:22:A:SER:HA	15	0.1
(1,38)	1:20:A:ASN:HB2	1:20:A:ASN:HD21	24	0.1
(1,26)	1:20:A:ASN:H	1:20:A:ASN:HB3	8	0.1
(1,20)	1:39:A:CYS:HA	1:39:A:CYS:HB3	9	0.1
(1,14)	1:41:A:SER:H	1:41:A:SER:HB3	23	0.1
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	13	0.1
(1,13)	1:41:A:SER:H	1:41:A:SER:HA	16	0.1
(1,10)	1:40:A:GLN:H	1:40:A:GLN:HA	18	0.1
(1,6)	1:42:A:CYS:H	1:42:A:CYS:HB2	14	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found