Full wwPDB NMR Structure Validation Report (i)

Mar 8, 2026 – 02:43 PM UTC

PDB ID	:	2K27 / pdb_00002k27
BMRB ID	:	15693
Title	:	Solution structure of Human Pax8 Paired Box Domain
Authors	:	Codutti, L.; Esposito, G.; Corazza, A.; Fogolari, F.; Tell, G.; Vascotto, C.; van Ingen, H.; Boelens, R.; Viglino, P.; Quadrifoglio, F.
Deposited on	:	2008-03-26

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

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

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

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

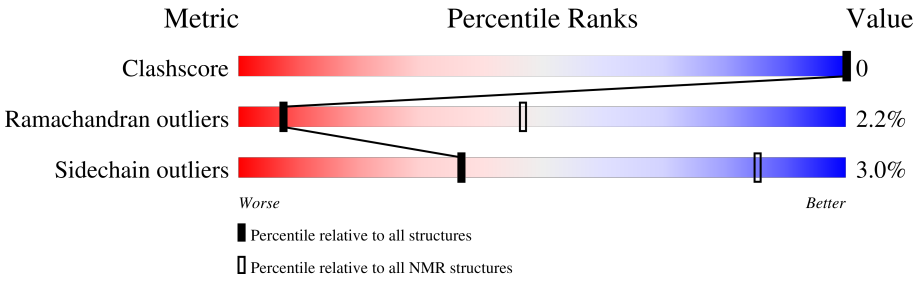
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance

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

The overall completeness of chemical shifts assignment is 78%.

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	159	60% · 38%

2 Ensemble composition and analysis

This entry contains 20 models. Model 15 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

The following residues are included in the computation of the global validation metrics.

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:3-A:16 (14)	1.90	19
2	A:27-A:63 (37)	1.35	6
3	A:87-A:134 (48)	1.29	15

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

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

The models can be grouped into 4 clusters and 5 single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 2453 atoms, of which 1228 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Paired box protein Pax-8.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	159	2453	758	1228	243	218	6	0

There are 16 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	144	MET	-	expression tag	UNP Q06710
A	145	ASP	-	expression tag	UNP Q06710
A	146	SER	-	expression tag	UNP Q06710
A	147	GLY	-	expression tag	UNP Q06710
A	148	ALA	-	expression tag	UNP Q06710
A	149	PRO	-	expression tag	UNP Q06710
A	150	GLY	-	expression tag	UNP Q06710
A	151	GLY	-	expression tag	UNP Q06710
A	152	GLY	-	expression tag	UNP Q06710
A	153	SER	-	expression tag	UNP Q06710
A	154	HIS	-	expression tag	UNP Q06710
A	155	HIS	-	expression tag	UNP Q06710
A	156	HIS	-	expression tag	UNP Q06710
A	157	HIS	-	expression tag	UNP Q06710
A	158	HIS	-	expression tag	UNP Q06710
A	159	HIS	-	expression tag	UNP Q06710

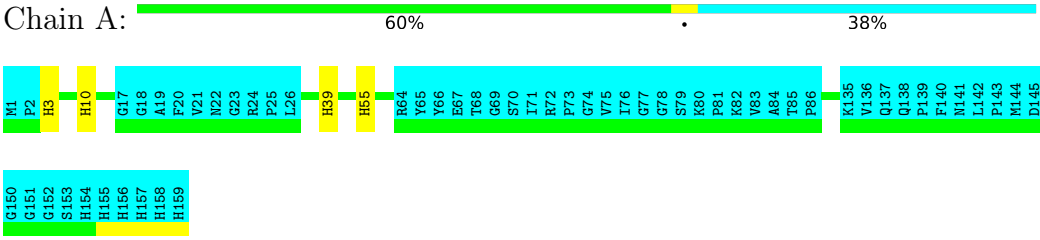
4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Paired box protein Pax-8

Chain A:



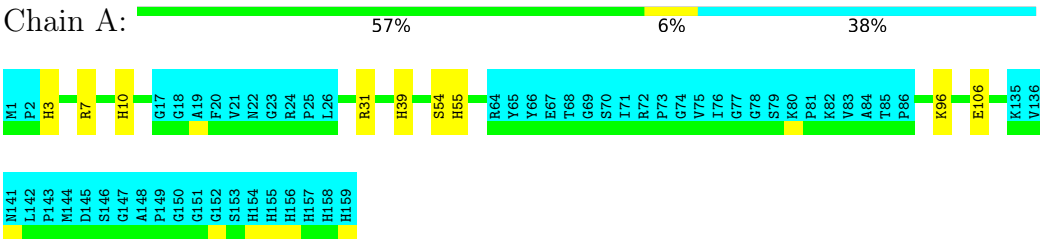
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Paired box protein Pax-8

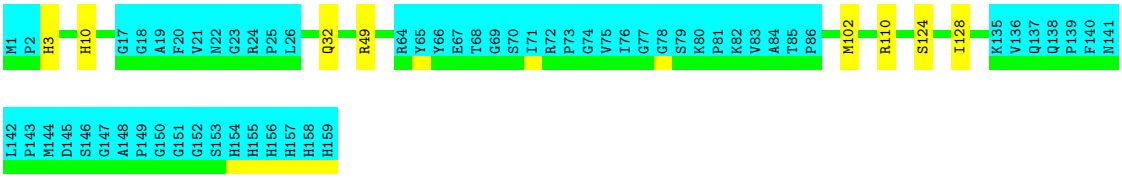
Chain A:



4.2.2 Score per residue for model 2

• Molecule 1: Paired box protein Pax-8

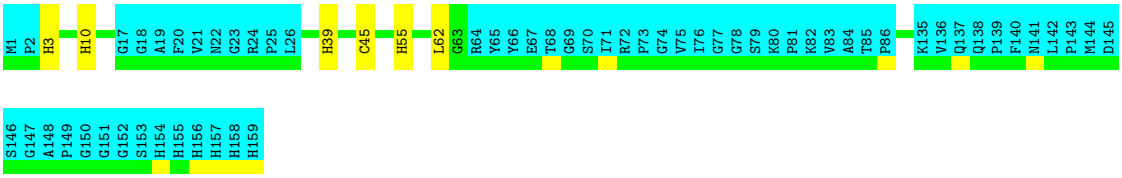
Chain A:



4.2.3 Score per residue for model 3

• Molecule 1: Paired box protein Pax-8

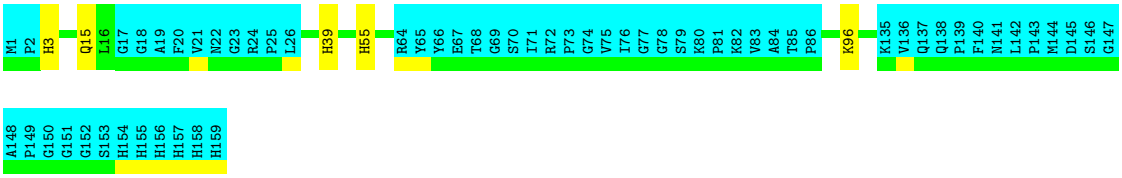
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: Paired box protein Pax-8

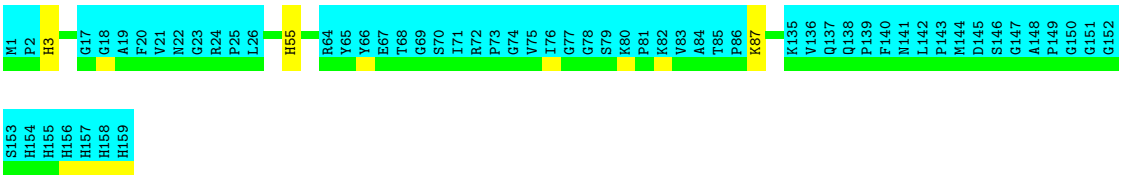
Chain A:



4.2.5 Score per residue for model 5

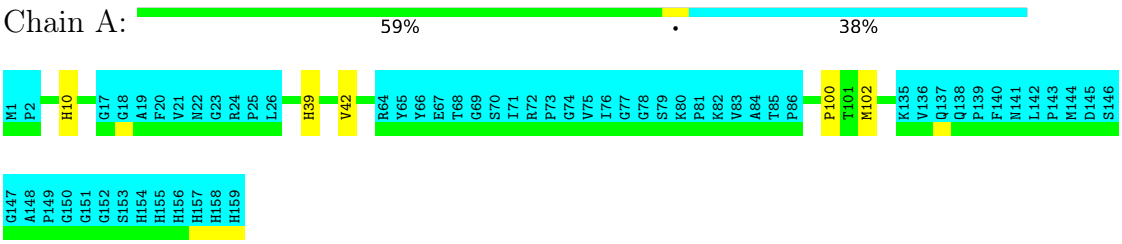
• Molecule 1: Paired box protein Pax-8

Chain A:



4.2.6 Score per residue for model 6

• Molecule 1: Paired box protein Pax-8

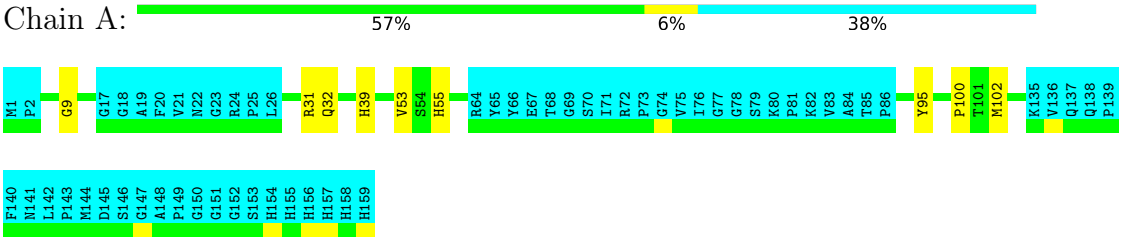


4.2.7 Score per residue for model 7

• Molecule 1: Paired box protein Pax-8

4.2.8 Score per residue for model 8

• Molecule 1: Paired box protein Pax-8



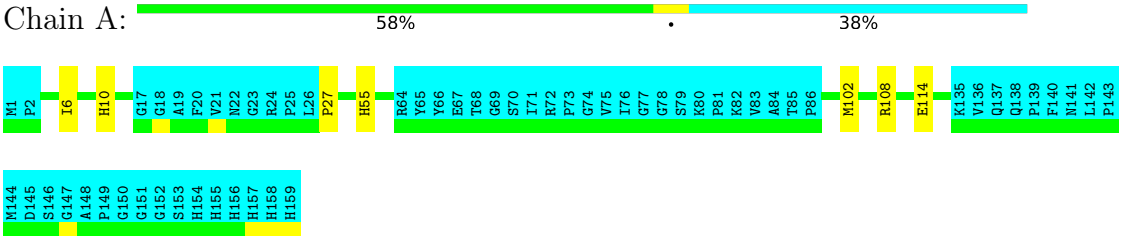
4.2.9 Score per residue for model 9

• Molecule 1: Paired box protein Pax-8

4.2.10 Score per residue for model 10

• Molecule 1: Paired box protein Pax-8

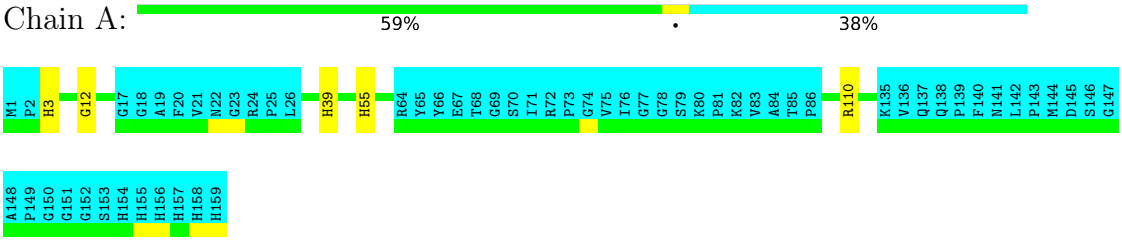
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: Paired box protein Pax-8

Chain A:



4.2.12 Score per residue for model 12

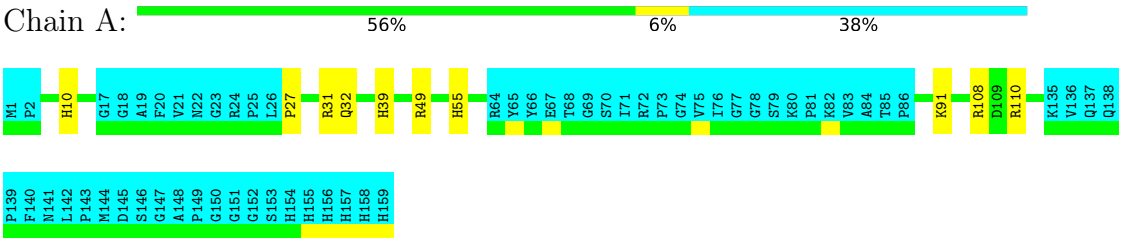
• Molecule 1: Paired box protein Pax-8

Chain A:

4.2.13 Score per residue for model 13

• Molecule 1: Paired box protein Pax-8

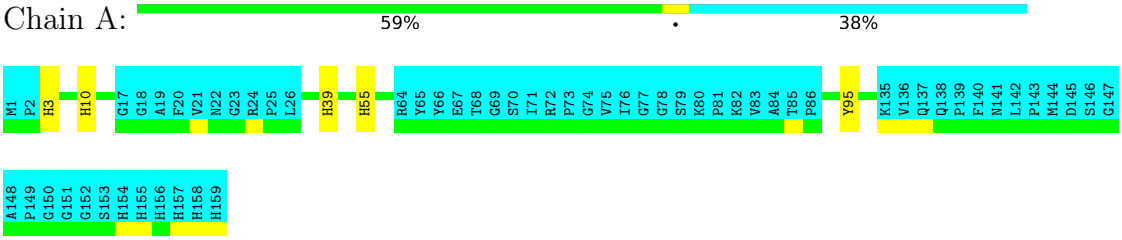
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Paired box protein Pax-8

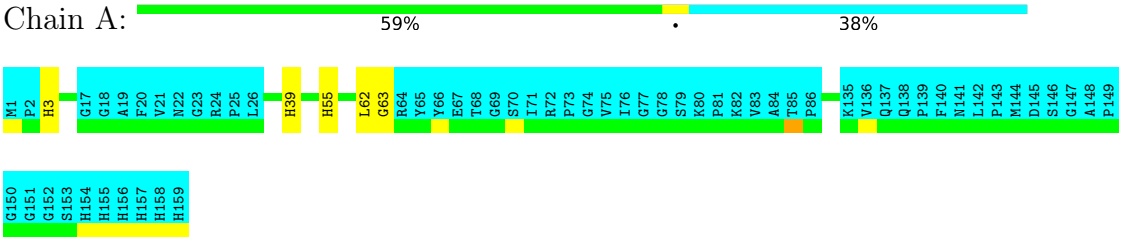
Chain A:



4.2.15 Score per residue for model 15 (medoid)

• Molecule 1: Paired box protein Pax-8

Chain A:



4.2.16 Score per residue for model 16

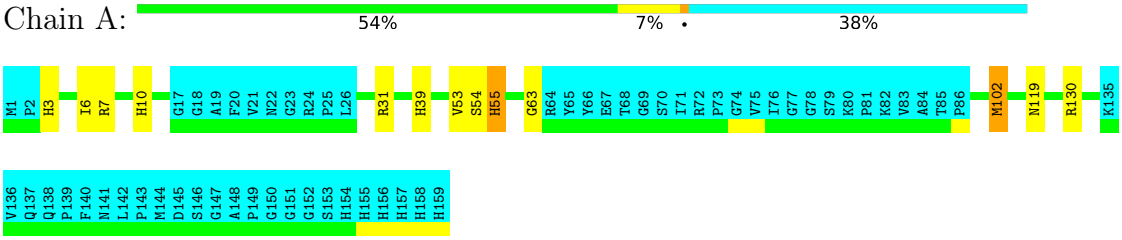
• Molecule 1: Paired box protein Pax-8

Chain A:

4.2.17 Score per residue for model 17

• Molecule 1: Paired box protein Pax-8

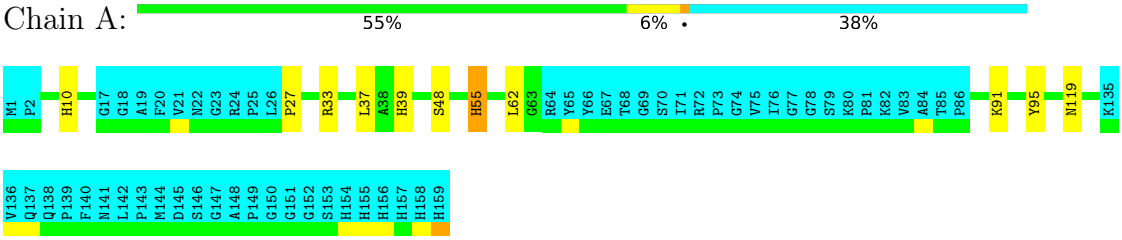
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Paired box protein Pax-8

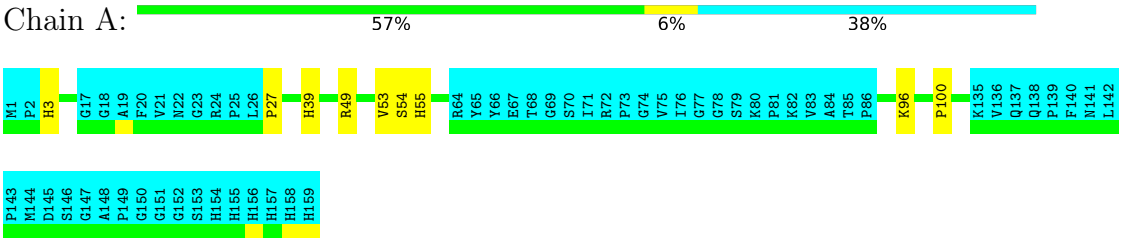
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Paired box protein Pax-8

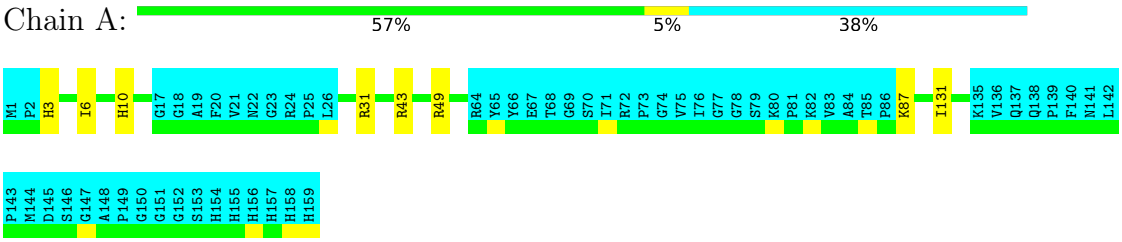
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Paired box protein Pax-8

Chain A:



5 Refinement protocol and experimental data overview

The models were refined using the following method: *molecular mechanics*.

Of the 300 calculated structures, 20 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
CYANA	structure solution	2.1
Discover	refinement	2.98

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	1612
Number of shifts mapped to atoms	1612
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	78%

6 Model quality

6.1 Standard geometry

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.64±0.01	0±0/790 (0.0± 0.0%)	1.27±0.02	2±1/1066 (0.2± 0.1%)
All	All	0.64	0/15800 (0.0%)	1.27	50/21320 (0.2%)

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

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	0.3±0.7
All	All	0	6

There are no bond-length outliers.

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	3	HIS	CE1-NE2-CD2	-5.21	103.79	109.00	19	13
1	A	39	HIS	CE1-NE2-CD2	-5.19	103.81	109.00	11	15
1	A	55	HIS	CE1-NE2-CD2	-5.18	103.82	109.00	15	10
1	A	10	HIS	CE1-NE2-CD2	-5.09	103.91	109.00	14	12

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	A	95	TYR	Sidechain	3
1	A	33	ARG	Sidechain	1
1	A	119	ASN	Peptide	1
1	A	43	ARG	Sidechain	1

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
All	All	15560	15920	15920	-

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

There are no clashes.

6.3 Torsion angles

6.3.1 Protein backbone

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	99/159 (62%)	86±4 (87±4%)	11±4 (11±4%)	2±2 (2±2%)	7	47
All	All	1980/3180 (62%)	1716 (87%)	221 (11%)	43 (2%)	7	47

All 14 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	55	HIS	9
1	A	27	PRO	6
1	A	53	VAL	5
1	A	54	SER	4
1	A	100	PRO	4
1	A	6	ILE	4
1	A	9	GLY	2
1	A	102	MET	2
1	A	63	GLY	2
1	A	124	SER	1
1	A	45	CYS	1
1	A	28	GLU	1

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Mol	Chain	Res	Type	Models (Total)
1	A	12	GLY	1
1	A	52	ARG	1

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	88/134 (66%)	85±2 (97±2%)	3±2 (3±2%)	37 85
All	All	1760/2680 (66%)	1708 (97%)	52 (3%)	37 85

All 22 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	31	ARG	5
1	A	102	MET	5
1	A	49	ARG	4
1	A	7	ARG	3
1	A	96	LYS	3
1	A	32	GLN	3
1	A	110	ARG	3
1	A	62	LEU	3
1	A	108	ARG	3
1	A	128	ILE	2
1	A	87	LYS	2
1	A	42	VAL	2
1	A	6	ILE	2
1	A	130	ARG	2
1	A	131	ILE	2
1	A	91	LYS	2
1	A	106	GLU	1
1	A	15	GLN	1
1	A	114	GLU	1
1	A	119	ASN	1
1	A	37	LEU	1
1	A	48	SER	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 78% for the well-defined parts and 75% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	1612
Number of shifts mapped to atoms	1612
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	5

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	149	0.02 ± 0.08	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	129	0.50 ± 0.11	Should be checked
$^{13}C'$	92	0.03 ± 0.10	None needed (< 0.5 ppm)
^{15}N	139	-0.08 ± 0.12	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 78%, i.e. 1085 atoms were assigned a chemical shift out of a possible 1389. 0 out of 18 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	442/495 (89%)	195/202 (97%)	152/198 (77%)	95/95 (100%)
Sidechain	620/835 (74%)	407/540 (75%)	205/248 (83%)	8/47 (17%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	23/59 (39%)	12/31 (39%)	10/23 (43%)	1/5 (20%)
Overall	1085/1389 (78%)	614/773 (79%)	367/469 (78%)	104/147 (71%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 75%, i.e. 1605 atoms were assigned a chemical shift out of a possible 2152. 0 out of 24 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	674/790 (85%)	294/325 (90%)	241/318 (76%)	139/147 (95%)
Sidechain	884/1223 (72%)	579/794 (73%)	294/366 (80%)	11/63 (17%)
Aromatic	47/139 (34%)	24/73 (33%)	22/55 (40%)	1/11 (9%)
Overall	1605/2152 (75%)	897/1192 (75%)	557/739 (75%)	151/221 (68%)

7.1.4 Statistically unusual chemical shifts (i)

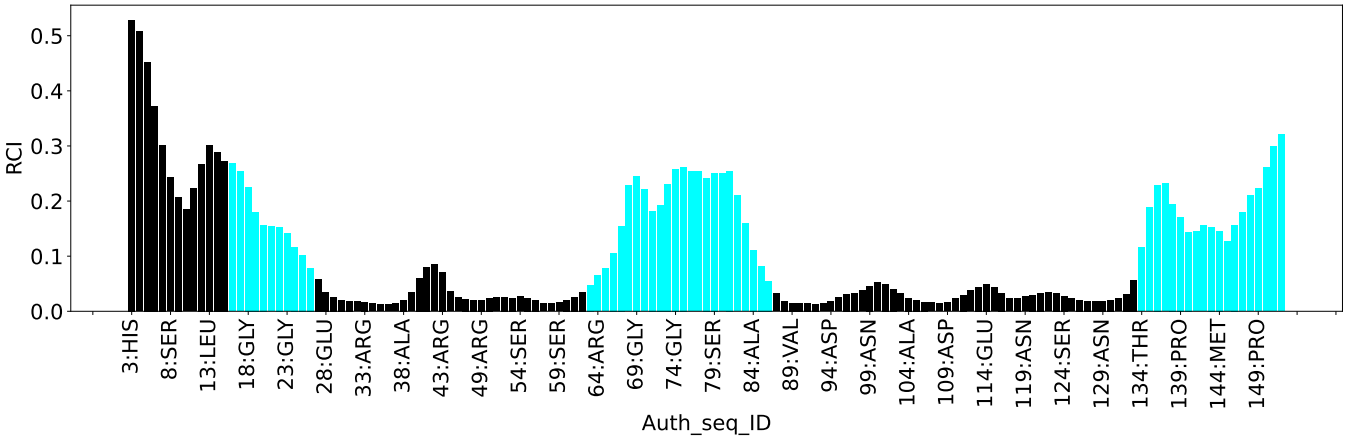
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	68	THR	HG1	4.76	0.08 – 2.19	17.2
1	A	121	THR	HG1	4.76	0.08 – 2.19	17.2
1	A	134	THR	HG1	4.76	0.08 – 2.19	17.2
1	A	85	THR	HG1	4.75	0.08 – 2.19	17.1
1	A	101	THR	HG1	4.72	0.08 – 2.19	17.0

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:


RCI
0.0
0.1
0.2
0.3
0.4
0.5
3:HIS
8:SER
13:LEU
18:GLY
23:GLY
28:GLU
33:ARG
38:ALA
43:ARG
49:ARG
54:SER
59:SER
64:ARG
69:GLY
74:GLY
79:SER
84:ALA
89:VAL
94:ASP
99:ASN
104:ALA
109:ASP
114:GLU
119:ASN
124:SER
129:ASN
134:THR
139:PRO
144:MET
149:PRO
Auth_seq_ID

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	1406
Intra-residue (|i-j|=0)	709
Sequential (|i-j|=1)	475
Medium range (|i-j|>1 and |i-j|<5)	153
Long range (|i-j|≥5)	69
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	8.8
Number of long range restraints per residue[1]	0.4

[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)	55.5	0.2
0.2-0.5 (Medium)	155.5	0.5
>0.5 (Large)	303.1	7.47

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)

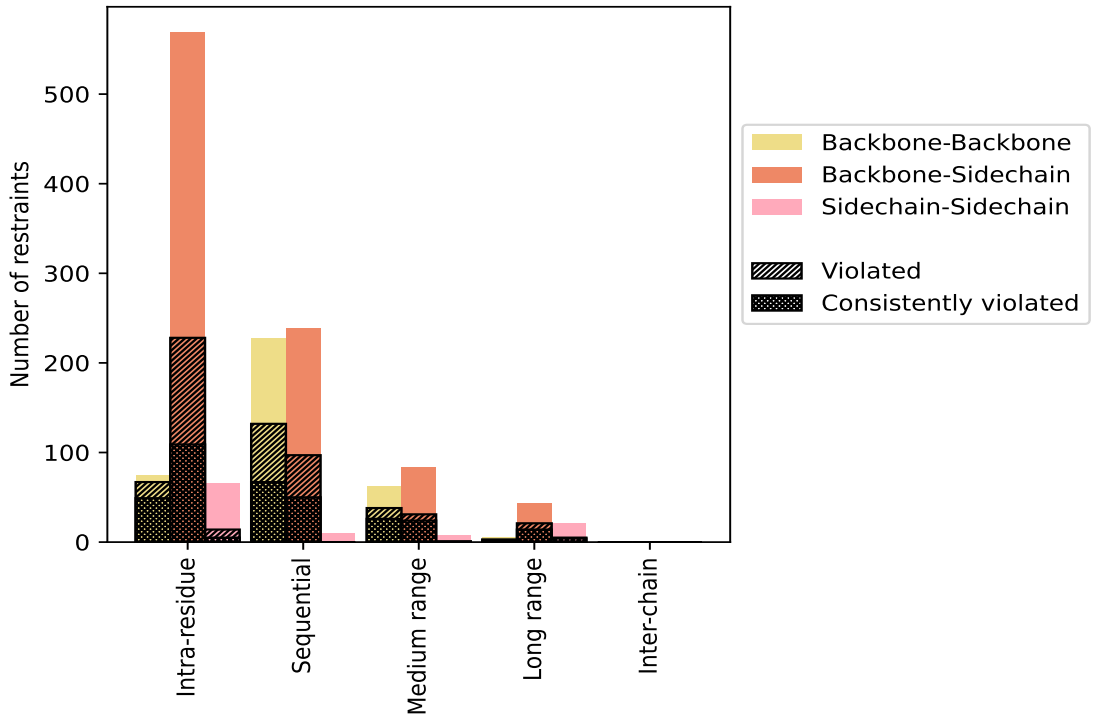
9.1 Summary of distance violations (i)

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)	709	50.4	309	43.6	22.0	163	23.0	11.6
Backbone-Backbone	75	5.3	67	89.3	4.8	49	65.3	3.5
Backbone-Sidechain	569	40.5	228	40.1	16.2	109	19.2	7.8
Sidechain-Sidechain	65	4.6	14	21.5	1.0	5	7.7	0.4
Sequential (|i-j|=1)	475	33.8	229	48.2	16.3	117	24.6	8.3
Backbone-Backbone	227	16.1	132	58.1	9.4	67	29.5	4.8
Backbone-Sidechain	238	16.9	97	40.8	6.9	50	21.0	3.6
Sidechain-Sidechain	10	0.7	0	0.0	0.0	0	0.0	0.0
Medium range (|i-j|>1 & |i-j|<5)	153	10.9	70	45.8	5.0	50	32.7	3.6
Backbone-Backbone	62	4.4	38	61.3	2.7	26	41.9	1.8
Backbone-Sidechain	83	5.9	31	37.3	2.2	24	28.9	1.7
Sidechain-Sidechain	8	0.6	1	12.5	0.1	0	0.0	0.0
Long range (|i-j|≥5)	69	4.9	29	42.0	2.1	20	29.0	1.4
Backbone-Backbone	5	0.4	3	60.0	0.2	2	40.0	0.1
Backbone-Sidechain	43	3.1	21	48.8	1.5	14	32.6	1.0
Sidechain-Sidechain	21	1.5	5	23.8	0.4	4	19.0	0.3
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	1406	100.0	637	45.3	45.3	350	24.9	24.9
Backbone-Backbone	369	26.2	240	65.0	17.1	144	39.0	10.2
Backbone-Sidechain	933	66.4	377	40.4	26.8	197	21.1	14.0
Sidechain-Sidechain	104	7.4	20	19.2	1.4	9	8.7	0.6

[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	252	179	60	24	0	515	0.98	7.3	0.92	0.66
2	252	183	59	25	0	519	0.97	7.2	0.92	0.61
3	253	182	61	24	0	520	0.93	7.23	0.89	0.61
4	249	190	62	25	0	526	0.94	7.47	0.89	0.66
5	240	182	62	24	0	508	0.96	7.07	0.91	0.63
6	247	177	63	24	0	511	0.96	6.72	0.89	0.63
7	243	189	63	25	0	520	0.95	7.19	0.89	0.64
8	243	178	61	25	0	507	0.98	7.27	0.9	0.69
9	250	187	61	25	0	523	0.95	7.26	0.9	0.62
10	245	181	61	24	0	511	0.97	7.15	0.93	0.67

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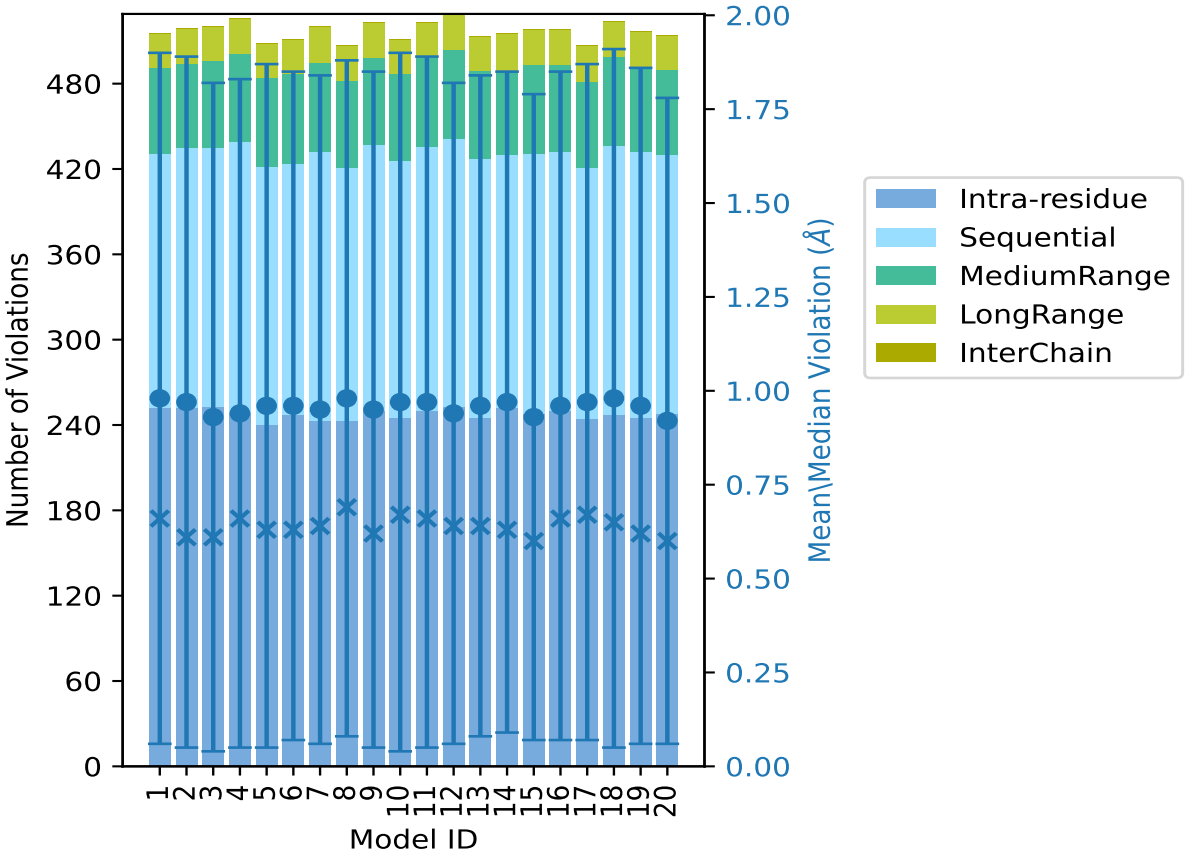
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	250	186	62	25	0	523	0.97	7.31	0.92	0.66
12	253	188	63	25	0	529	0.94	6.72	0.88	0.64
13	245	182	62	24	0	513	0.96	7.35	0.88	0.64
14	252	178	59	26	0	515	0.97	7.0	0.88	0.63
15	248	183	62	25	0	518	0.93	7.22	0.86	0.6
16	250	182	61	25	0	518	0.96	7.17	0.89	0.66
17	244	177	60	26	0	507	0.97	7.44	0.9	0.67
18	247	189	63	25	0	524	0.98	7.3	0.93	0.65
19	245	187	60	25	0	517	0.96	7.32	0.9	0.62
20	248	182	60	24	0	514	0.92	7.38	0.86	0.6

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

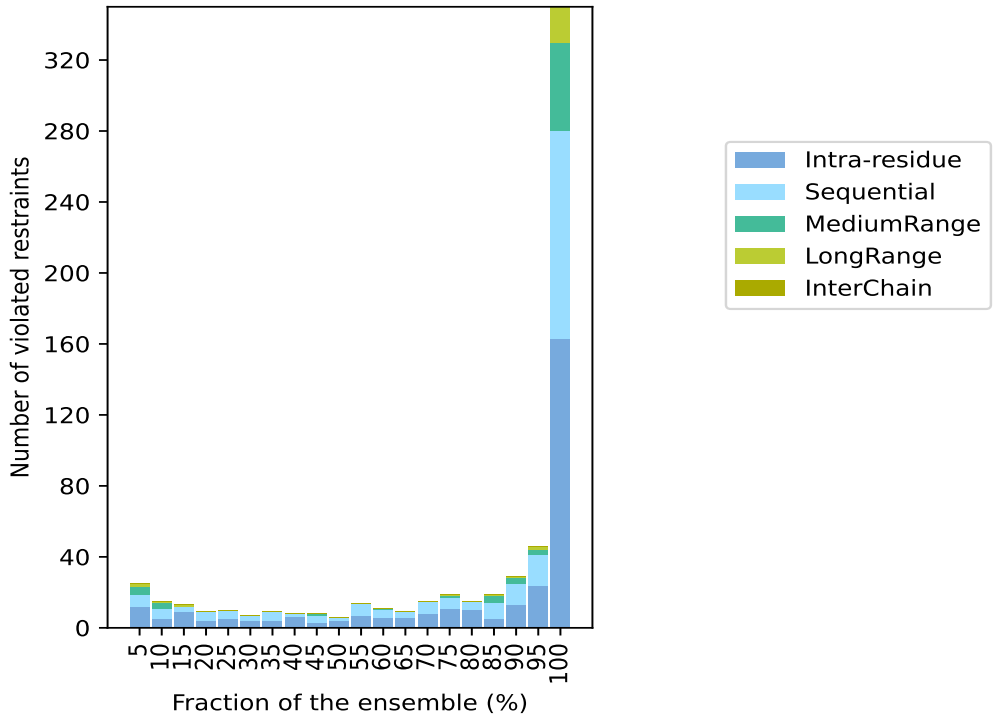
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 769(IR:400, SQ:246, MR:83, LR:40, 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]	%
12	7	4	2	0	25	1	5.0
5	6	3	1	0	15	2	10.0
9	3	0	1	0	13	3	15.0
4	5	0	0	0	9	4	20.0
5	5	0	0	0	10	5	25.0
4	3	0	0	0	7	6	30.0
4	5	0	0	0	9	7	35.0
6	2	0	0	0	8	8	40.0
3	4	1	0	0	8	9	45.0
4	2	0	0	0	6	10	50.0
7	7	0	0	0	14	11	55.0
6	4	1	0	0	11	12	60.0
6	3	0	0	0	9	13	65.0
8	7	0	0	0	15	14	70.0
11	6	1	1	0	19	15	75.0
10	5	0	0	0	15	16	80.0
5	9	4	1	0	19	17	85.0
13	12	3	1	0	29	18	90.0
24	17	3	2	0	46	19	95.0
163	117	50	20	0	350	20	100.0

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

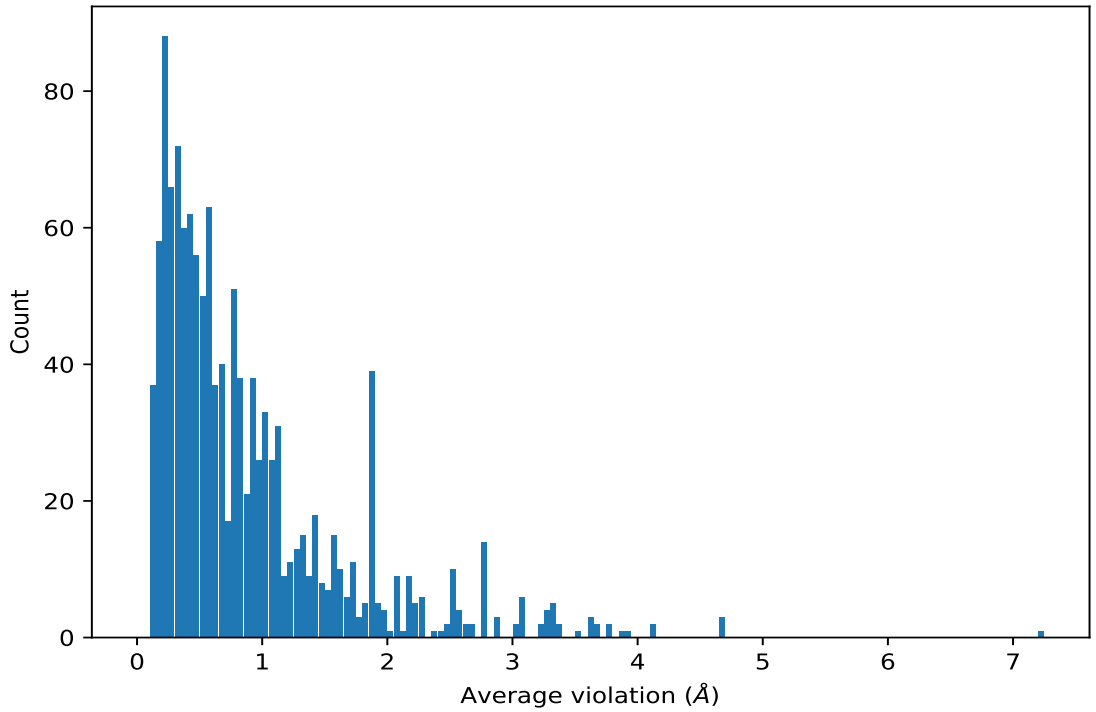
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	20	7.2	0.2	7.24
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	20	4.69	0.27	4.81
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	20	4.69	0.27	4.81
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	20	4.69	0.27	4.81
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	20	4.12	0.06	4.12
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	20	4.12	0.06	4.12
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	20	3.91	0.32	4.12
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	20	3.86	0.17	3.88
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	20	3.8	0.46	3.98
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	20	3.8	0.33	3.69
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	20	3.66	0.68	4.04
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	20	3.66	0.68	4.04
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	20	3.62	0.3	3.66
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	20	3.62	0.3	3.66
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	20	3.62	0.3	3.66
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	20	3.5	0.7	3.79

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	20	3.37	0.92	3.24
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	20	3.37	0.92	3.24
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	20	3.34	0.09	3.34
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	20	3.34	0.09	3.34
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	20	3.34	0.09	3.34
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	20	3.32	0.89	3.43
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	20	3.32	0.89	3.43
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	20	3.3	0.29	3.38
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	20	3.28	0.59	3.52
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	20	3.28	0.59	3.52
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	20	3.28	0.59	3.52
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	20	3.22	0.98	3.43
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	20	3.22	0.98	3.43
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	20	3.08	0.59	3.18
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	20	3.08	0.59	3.18
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	20	3.08	0.59	3.18
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	20	3.06	0.57	3.03
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	20	3.06	0.57	3.03
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	20	3.06	0.57	3.03
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	20	3.05	1.23	3.52
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	20	3.05	1.23	3.52
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	20	2.86	0.64	2.8
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	20	2.86	0.64	2.8
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	20	2.86	0.64	2.8
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	20	2.78	0.23	2.74
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	20	2.77	0.17	2.78
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	20	2.77	0.17	2.78
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	20	2.77	0.17	2.78
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	20	2.77	0.24	2.76
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	20	2.77	0.24	2.76
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	20	2.77	0.24	2.76
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	20	2.77	0.24	2.76
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	20	2.77	0.24	2.76
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	20	2.77	0.24	2.76
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	20	2.77	0.24	2.76
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	20	2.77	0.24	2.76
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	20	2.77	0.24	2.76
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	20	2.75	0.08	2.74
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	20	2.68	0.48	2.72
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	20	2.68	0.48	2.72
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	20	2.61	0.11	2.6
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	20	2.6	0.7	2.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	20	2.58	0.86	2.87
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	20	2.58	0.86	2.87
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	20	2.57	0.06	2.6
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	20	2.54	0.36	2.64
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	20	2.54	0.36	2.64
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	20	2.54	0.36	2.64
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	20	2.54	0.36	2.64
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	20	2.54	0.36	2.64
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	20	2.54	0.36	2.64
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	20	2.54	1.02	2.76
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	20	2.54	1.02	2.76
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	20	2.53	0.4	2.64
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	20	2.52	0.22	2.6
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	20	2.49	0.65	2.6
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	20	2.48	0.22	2.51
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	20	2.42	1.14	2.3
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	20	2.3	0.56	2.46
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	20	2.3	0.56	2.46
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	20	2.27	0.47	2.1
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	20	2.26	0.83	2.34
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	20	2.26	0.83	2.34
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	20	2.26	0.83	2.34
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	20	2.24	0.57	2.01
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	20	2.24	0.79	2.6
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	20	2.22	0.76	2.17
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	20	2.21	0.56	2.08
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	20	2.21	0.28	2.06
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	20	2.18	0.43	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	20	2.18	0.43	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	20	2.18	0.43	2.3
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	20	2.16	1.32	2.42
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	20	2.16	1.32	2.42
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	20	2.16	1.32	2.42
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	20	2.15	0.33	2.33
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	20	2.15	0.33	2.33
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	20	2.15	0.33	2.33
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	20	2.13	0.07	2.13
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	20	2.08	0.1	2.1
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	20	2.08	0.1	2.1
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	20	2.08	0.1	2.1
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	20	2.06	0.38	2.16
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	20	2.06	0.38	2.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	20	2.06	0.38	2.16
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	20	2.06	0.38	2.16
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	20	2.06	0.38	2.16
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	20	2.06	0.38	2.16
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	20	2.05	0.05	2.05
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	20	1.99	0.6	2.23
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	20	1.99	0.6	2.23
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	20	1.97	0.38	2.01
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	20	1.97	0.38	2.01
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	20	1.95	0.08	1.95
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	20	1.95	0.08	1.95
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	20	1.94	0.61	2.12
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	20	1.94	0.61	2.12
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	20	1.92	0.43	1.85
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	20	1.9	0.22	1.94
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	20	1.9	0.22	1.94
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	20	1.9	0.22	1.94
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	20	1.89	0.02	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	20	1.89	0.02	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	20	1.89	0.02	1.89
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	20	1.89	0.06	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	20	1.89	0.06	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	20	1.89	0.06	1.88
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	20	1.87	0.03	1.87
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	20	1.87	0.03	1.87
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	20	1.87	0.03	1.87
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	20	1.87	0.02	1.87
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	20	1.87	0.02	1.87
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	20	1.87	0.02	1.87
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	20	1.86	0.05	1.87
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	20	1.86	0.05	1.87
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	20	1.86	0.05	1.87
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	20	1.85	0.75	1.96
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	20	1.85	0.75	1.96
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	20	1.85	0.75	1.96
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	20	1.85	0.75	1.96
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	20	1.85	0.75	1.96
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	20	1.85	0.75	1.96
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	20	1.85	0.35	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	20	1.85	0.35	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	20	1.85	0.35	1.93
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	20	1.85	0.04	1.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	20	1.85	0.04	1.86
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	20	1.85	0.04	1.86
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	20	1.85	0.18	1.83
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	20	1.84	0.04	1.84
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	20	1.84	0.04	1.84
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	20	1.84	0.04	1.84
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	20	1.82	0.06	1.81
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	20	1.82	0.06	1.81
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	20	1.79	0.74	2.08
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	20	1.79	0.74	2.08
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	20	1.78	0.03	1.78
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	20	1.74	0.15	1.72
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	20	1.74	0.15	1.72
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	20	1.74	0.15	1.72
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	20	1.74	0.06	1.76
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	20	1.73	0.09	1.74
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	20	1.73	0.09	1.74
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	20	1.73	0.09	1.74
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	20	1.73	0.12	1.67
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	20	1.71	0.67	1.84
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	20	1.71	0.67	1.84
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	20	1.7	0.11	1.71
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	20	1.7	0.11	1.71
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	20	1.7	0.11	1.71
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	20	1.69	0.16	1.71
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	20	1.67	0.19	1.72
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	20	1.67	0.19	1.72
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	20	1.64	0.7	2.01
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	20	1.64	0.7	2.01
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	20	1.63	0.79	1.9
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	20	1.63	0.79	1.9
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	20	1.6	0.74	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	20	1.6	0.74	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	20	1.6	0.74	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	20	1.6	0.74	2.06
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	20	1.57	0.37	1.46
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	20	1.57	0.37	1.46
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	20	1.57	0.37	1.46
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	20	1.56	0.29	1.63
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	20	1.56	0.55	1.9
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	20	1.56	0.55	1.9
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	20	1.55	0.59	1.84

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	20	1.55	0.59	1.84
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	20	1.55	0.59	1.84
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	20	1.55	0.1	1.55
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	20	1.55	0.1	1.55
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	20	1.55	0.1	1.55
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	20	1.55	0.09	1.56
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	20	1.55	0.09	1.56
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	20	1.55	0.09	1.56
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	20	1.54	0.31	1.56
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	20	1.54	0.31	1.56
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	20	1.54	0.31	1.56
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	20	1.53	0.06	1.52
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	20	1.5	0.03	1.5
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	20	1.5	0.03	1.5
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	20	1.49	0.37	1.56
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	20	1.49	0.37	1.56
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	20	1.47	0.65	1.67
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	20	1.46	0.24	1.47
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	20	1.46	0.24	1.47
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	20	1.46	0.82	1.62
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	20	1.46	0.82	1.62
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	20	1.46	0.49	1.64
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	20	1.45	0.83	1.62
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	20	1.45	0.83	1.62
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	20	1.44	0.23	1.46
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	20	1.44	0.23	1.46
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	20	1.44	0.1	1.46
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	20	1.44	0.1	1.46
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	20	1.44	0.1	1.46
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	20	1.44	0.31	1.44
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	20	1.44	0.31	1.44
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	20	1.44	0.56	1.86
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	20	1.43	0.16	1.46
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	20	1.43	0.23	1.38
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	20	1.43	0.23	1.38
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	20	1.42	0.11	1.46
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	20	1.41	0.1	1.42
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	20	1.39	0.1	1.4
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	20	1.39	0.1	1.4
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	20	1.35	0.73	1.26
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	20	1.35	0.73	1.26
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	20	1.32	0.26	1.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	20	1.32	0.26	1.38
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	20	1.32	0.26	1.38
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	20	1.32	0.26	1.38
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	20	1.32	0.26	1.38
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	20	1.32	0.26	1.38
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	20	1.32	0.12	1.33
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	20	1.32	0.12	1.33
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	20	1.32	0.12	1.33
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	20	1.32	0.12	1.33
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	20	1.32	0.12	1.33
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	20	1.32	0.12	1.33
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	20	1.31	0.24	1.35
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	20	1.31	0.24	1.35
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	20	1.31	0.16	1.37
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	20	1.29	0.23	1.25
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	20	1.28	0.09	1.28
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	20	1.26	0.17	1.33
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	20	1.26	0.13	1.31
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	20	1.26	0.89	1.88
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	20	1.26	0.89	1.88
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	20	1.26	0.89	1.88
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	20	1.26	0.69	0.84
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	20	1.25	0.32	1.18
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	20	1.25	0.46	1.29
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	20	1.25	0.46	1.29
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	20	1.23	0.18	1.23
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	20	1.23	0.18	1.23
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	20	1.23	0.18	1.23
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	20	1.23	0.18	1.23
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	20	1.23	0.18	1.23
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	20	1.23	0.18	1.23
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	20	1.22	0.1	1.23
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	20	1.22	0.4	1.27
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	20	1.22	0.4	1.27
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	20	1.18	0.03	1.19
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	20	1.17	0.23	1.16
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	20	1.17	0.38	1.3
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	20	1.15	0.22	1.23
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	20	1.15	0.22	1.23
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	20	1.15	0.22	1.23
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	20	1.15	0.1	1.15
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	20	1.15	0.1	1.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	20	1.15	0.1	1.15
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	20	1.15	0.27	1.24
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	20	1.15	0.27	1.24
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	20	1.15	0.27	1.24
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	20	1.13	0.3	1.16
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	20	1.13	0.3	1.16
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	20	1.13	0.12	1.18
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	20	1.13	0.21	1.21
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	20	1.13	0.07	1.14
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	20	1.12	0.33	1.18
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	20	1.12	0.33	1.18
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	20	1.12	0.1	1.13
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	20	1.12	0.1	1.13
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	20	1.11	0.08	1.1
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	20	1.11	0.02	1.11
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	20	1.1	0.21	1.14
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	20	1.08	0.07	1.07
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	20	1.08	0.07	1.07
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	20	1.08	0.07	1.07
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	20	1.08	0.07	1.07
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	20	1.08	0.07	1.07
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	20	1.08	0.07	1.07
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	20	1.08	0.07	1.07
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	20	1.08	0.07	1.07
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	20	1.08	0.07	1.07
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	20	1.08	0.07	1.07
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	20	1.08	0.07	1.07
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	20	1.08	0.07	1.07
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	20	1.08	0.72	1.32
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	20	1.08	0.72	1.32
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	20	1.08	0.72	1.32
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	20	1.07	0.19	1.12
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	20	1.06	0.21	1.01
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	20	1.04	0.63	1.38
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	20	1.04	0.63	1.38
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	20	1.04	0.01	1.03
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	20	1.03	0.44	0.92
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	20	1.03	0.02	1.04
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	20	1.03	0.54	0.88
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	20	1.03	0.54	0.88
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	20	1.02	0.3	0.94
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	20	1.02	0.3	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	20	1.02	0.39	1.16
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	20	1.02	0.5	0.9
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	20	1.02	0.5	0.9
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	20	1.02	0.5	0.9
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	20	1.02	0.5	0.9
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	20	1.02	0.5	0.9
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	20	1.02	0.5	0.9
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	20	1.02	0.5	0.9
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	20	1.02	0.5	0.9
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	20	1.02	0.5	0.9
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	20	1.02	0.5	0.9
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	20	1.02	0.5	0.9
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	20	1.02	0.5	0.9
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	20	1.01	0.04	1.0
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	20	1.01	0.02	1.01
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	20	1.0	0.07	1.02
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	20	0.99	0.19	1.02
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	20	0.99	0.19	1.02
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	20	0.98	0.28	1.02
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	20	0.98	0.28	1.02
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	20	0.98	0.28	1.02
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	20	0.98	0.28	1.02
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	20	0.98	0.07	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	20	0.98	0.07	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	20	0.98	0.07	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	20	0.98	0.07	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	20	0.98	0.07	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	20	0.98	0.07	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	20	0.98	0.07	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	20	0.98	0.07	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	20	0.98	0.07	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	20	0.98	0.07	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	20	0.98	0.07	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	20	0.98	0.07	0.93
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	20	0.97	0.06	0.98
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	20	0.96	0.02	0.96
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	20	0.96	0.23	0.99
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	20	0.95	0.45	1.08
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	20	0.95	0.45	1.08
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	20	0.95	0.29	0.88
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	20	0.94	0.29	0.92
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	20	0.94	0.29	0.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	20	0.94	0.29	0.92
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	20	0.94	0.29	0.92
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	20	0.94	0.06	0.96
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	20	0.94	0.26	0.94
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	20	0.94	0.04	0.93
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	20	0.93	0.48	1.21
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	20	0.93	0.48	1.21
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	20	0.93	0.48	1.21
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	20	0.93	0.48	1.21
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	20	0.93	0.48	1.21
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	20	0.93	0.48	1.21
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	20	0.93	0.54	0.66
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	20	0.93	0.54	0.66
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	20	0.93	0.54	0.66
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	20	0.93	0.19	0.94
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	20	0.93	0.92	0.35
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	20	0.93	0.92	0.35
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	20	0.91	0.19	0.86
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	20	0.91	0.19	0.86
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	20	0.91	0.41	1.12
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	20	0.91	0.41	1.12
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	20	0.9	0.05	0.91
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	20	0.89	0.58	0.57
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	20	0.89	0.58	0.57
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	20	0.89	0.58	0.57
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	20	0.89	0.58	0.57
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	20	0.89	0.58	0.57
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	20	0.89	0.58	0.57
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	20	0.88	0.21	0.94
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	20	0.88	0.21	0.94
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	20	0.88	0.21	0.94
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	20	0.88	0.25	0.98
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	20	0.88	0.25	0.98
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	20	0.87	0.22	0.83
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	20	0.87	0.29	0.86
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	20	0.87	0.29	0.86
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	20	0.85	0.29	0.86
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	20	0.85	0.29	0.86
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	20	0.85	0.2	0.79
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	20	0.84	0.22	0.94
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	20	0.84	0.22	0.94
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	20	0.84	0.22	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	20	0.84	0.03	0.84
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	20	0.83	0.19	0.87
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	20	0.83	0.19	0.87
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	20	0.83	0.18	0.82
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	20	0.83	0.18	0.82
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	20	0.83	0.24	0.82
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	20	0.83	0.24	0.82
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	20	0.83	0.34	0.91
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	20	0.82	0.02	0.83
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	20	0.82	0.12	0.82
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	20	0.82	0.01	0.82
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	20	0.82	0.78	0.32
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	20	0.82	0.78	0.32
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	20	0.82	0.78	0.32
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	20	0.81	0.01	0.81
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	20	0.81	0.02	0.81
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	20	0.8	0.06	0.82
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	20	0.78	0.42	0.71
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	20	0.78	0.3	0.73
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	20	0.78	0.3	0.73
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	20	0.78	0.3	0.73
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	20	0.78	0.7	0.57
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	20	0.78	0.7	0.57
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	20	0.78	0.7	0.57
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	20	0.78	0.7	0.57
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	20	0.78	0.7	0.57
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	20	0.78	0.7	0.57
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	20	0.78	0.7	0.57
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	20	0.78	0.7	0.57
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	20	0.78	0.7	0.57
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	20	0.78	0.43	0.66
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	20	0.78	0.43	0.66
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	20	0.78	0.43	0.66
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	20	0.78	0.43	0.66
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	20	0.78	0.43	0.66
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	20	0.78	0.43	0.66
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	20	0.78	0.1	0.76
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	20	0.78	0.03	0.78
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	20	0.77	0.02	0.77
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	20	0.77	0.24	0.79
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	20	0.77	0.24	0.78
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	20	0.77	0.24	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	20	0.77	0.25	0.78
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	20	0.77	0.4	0.84
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	20	0.77	0.4	0.84
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	20	0.75	0.48	0.58
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	20	0.75	0.48	0.58
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	20	0.74	0.23	0.7
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	20	0.72	0.05	0.73
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	20	0.72	0.25	0.72
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	20	0.72	0.25	0.72
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	20	0.72	0.02	0.72
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	20	0.72	0.01	0.72
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	20	0.71	0.11	0.73
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	20	0.71	0.14	0.68
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	20	0.71	0.14	0.68
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	20	0.7	0.27	0.77
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	20	0.7	0.28	0.76
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	20	0.69	0.01	0.69
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	20	0.69	0.22	0.78
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	20	0.68	0.35	0.64
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	20	0.68	0.23	0.6
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	20	0.68	0.23	0.6
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	20	0.68	0.23	0.6
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	20	0.68	0.23	0.6
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	20	0.68	0.23	0.6
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	20	0.68	0.23	0.6
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	20	0.68	0.27	0.66
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	20	0.68	0.27	0.66
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	20	0.67	0.04	0.68
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	20	0.67	0.34	0.62
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	20	0.67	0.34	0.62
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	20	0.67	0.34	0.62
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	20	0.67	0.34	0.62
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	20	0.67	0.34	0.62
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	20	0.67	0.34	0.62
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	20	0.66	0.31	0.64
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	20	0.66	0.31	0.64
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	20	0.66	0.31	0.64
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	20	0.64	0.06	0.63
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	20	0.64	0.23	0.62
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	20	0.64	0.04	0.65
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	20	0.63	0.03	0.63
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	20	0.63	0.38	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	20	0.63	0.38	0.37
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	20	0.63	0.38	0.37
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	20	0.62	0.5	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	20	0.62	0.5	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	20	0.62	0.5	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	20	0.62	0.5	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	20	0.62	0.5	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	20	0.62	0.5	0.4
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	20	0.62	0.07	0.64
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	20	0.62	0.24	0.75
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	20	0.62	0.24	0.75
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	20	0.61	0.16	0.62
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	20	0.61	0.16	0.62
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	20	0.61	0.16	0.62
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	20	0.61	0.38	0.49
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	20	0.61	0.75	0.48
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	20	0.61	0.75	0.48
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	20	0.61	0.75	0.48
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	20	0.6	0.18	0.55
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	20	0.6	0.18	0.55
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	20	0.6	0.18	0.55
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	20	0.6	0.18	0.55
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	20	0.59	0.01	0.59
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	20	0.59	0.11	0.56
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	20	0.59	0.01	0.59
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	20	0.59	0.59	0.36
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	20	0.59	0.06	0.58
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	20	0.58	0.17	0.62
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	20	0.58	0.42	0.36
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	20	0.58	0.42	0.36
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	20	0.58	0.42	0.36
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	20	0.58	0.42	0.36
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	20	0.58	0.42	0.36
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	20	0.58	0.42	0.36
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	20	0.57	0.13	0.6
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	20	0.57	0.13	0.6
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	20	0.57	0.13	0.6
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	20	0.57	0.08	0.58
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	20	0.56	0.45	0.27
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	20	0.56	0.45	0.27
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	20	0.56	0.45	0.27
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	20	0.56	0.45	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	20	0.56	0.45	0.27
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	20	0.56	0.45	0.27
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	20	0.56	0.21	0.63
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	20	0.56	0.21	0.63
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	20	0.55	0.11	0.54
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	20	0.55	0.04	0.55
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	20	0.54	0.03	0.55
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	20	0.54	0.03	0.54
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	20	0.54	0.08	0.52
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	20	0.54	0.41	0.37
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	20	0.54	0.41	0.37
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	20	0.54	0.41	0.37
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	20	0.54	0.22	0.53
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	20	0.54	0.22	0.53
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	20	0.54	0.1	0.53
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	20	0.54	0.26	0.5
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	20	0.54	0.26	0.5
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	20	0.53	0.05	0.54
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	20	0.52	0.08	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	20	0.52	0.08	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	20	0.52	0.08	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	20	0.52	0.08	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	20	0.52	0.08	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	20	0.52	0.08	0.5
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	20	0.52	0.25	0.53
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	20	0.52	0.25	0.53
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	20	0.52	0.25	0.53
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	20	0.5	0.2	0.46
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	20	0.5	0.2	0.46
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	20	0.5	0.2	0.46
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	20	0.5	0.2	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	20	0.5	0.16	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	20	0.5	0.16	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	20	0.5	0.16	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	20	0.5	0.16	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	20	0.5	0.16	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	20	0.5	0.16	0.46
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	20	0.5	0.03	0.5
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	20	0.49	0.03	0.49
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	20	0.48	0.02	0.48
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	20	0.48	0.08	0.48
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	20	0.48	0.09	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	20	0.48	0.06	0.5
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	20	0.48	0.05	0.47
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	20	0.47	0.08	0.49
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	20	0.47	0.05	0.5
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	20	0.47	0.32	0.43
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	20	0.47	0.32	0.43
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	20	0.47	0.28	0.36
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	20	0.47	0.28	0.36
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	20	0.47	0.07	0.46
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	20	0.47	0.07	0.46
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	20	0.47	0.26	0.41
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	20	0.47	0.26	0.41
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	20	0.46	0.03	0.46
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	20	0.46	0.07	0.47
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	20	0.45	0.16	0.39
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	20	0.45	0.16	0.39
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	20	0.45	0.15	0.44
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	20	0.45	0.15	0.44
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	20	0.45	0.15	0.44
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	20	0.45	0.05	0.44
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	20	0.44	0.16	0.42
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	20	0.44	0.16	0.42
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	20	0.44	0.16	0.42
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	20	0.44	0.03	0.44
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	20	0.44	0.15	0.42
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	20	0.44	0.15	0.42
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	20	0.44	0.15	0.42
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	20	0.43	0.13	0.44
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	20	0.43	0.08	0.42
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	20	0.43	0.04	0.44
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	20	0.43	0.11	0.42
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	20	0.43	0.11	0.42
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	20	0.43	0.11	0.42
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	20	0.43	0.41	0.26
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	20	0.43	0.03	0.43
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	20	0.42	0.04	0.42
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	20	0.42	0.1	0.44
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	20	0.42	0.09	0.43
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	20	0.42	0.2	0.42
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	20	0.42	0.2	0.42
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	20	0.42	0.03	0.42
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	20	0.41	0.2	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	20	0.41	0.2	0.34
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	20	0.4	0.02	0.41
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	20	0.4	0.03	0.4
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	20	0.39	0.15	0.38
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	20	0.39	0.15	0.38
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	20	0.39	0.02	0.39
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	20	0.39	0.06	0.36
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	20	0.39	0.05	0.39
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	20	0.39	0.03	0.4
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	20	0.39	0.26	0.33
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	20	0.39	0.26	0.33
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	20	0.38	0.05	0.38
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	20	0.38	0.08	0.37
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	20	0.38	0.04	0.36
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	20	0.38	0.19	0.31
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	20	0.38	0.19	0.31
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	20	0.38	0.19	0.31
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	20	0.38	0.19	0.31
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	20	0.38	0.19	0.31
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	20	0.38	0.19	0.31
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	20	0.37	0.2	0.3
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	20	0.37	0.2	0.3
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	20	0.36	0.08	0.34
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	20	0.36	0.08	0.34
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	20	0.36	0.08	0.34
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	20	0.36	0.08	0.34
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	20	0.36	0.08	0.34
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	20	0.36	0.08	0.34
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	20	0.36	0.27	0.32
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	20	0.36	0.12	0.34
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	20	0.36	0.06	0.34
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	20	0.35	0.02	0.36
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	20	0.35	0.06	0.35
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	20	0.35	0.02	0.35
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	20	0.34	0.12	0.37
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	20	0.34	0.12	0.37
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	20	0.34	0.12	0.37
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	20	0.33	0.11	0.32
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	20	0.33	0.08	0.31
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	20	0.33	0.08	0.31
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	20	0.33	0.08	0.34
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	20	0.32	0.11	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	20	0.32	0.06	0.32
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	20	0.32	0.04	0.32
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	20	0.31	0.04	0.32
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	20	0.31	0.24	0.26
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	20	0.31	0.24	0.26
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	20	0.31	0.24	0.26
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	20	0.31	0.24	0.26
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	20	0.31	0.24	0.26
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	20	0.31	0.24	0.26
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	20	0.31	0.24	0.26
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	20	0.31	0.24	0.26
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	20	0.31	0.24	0.26
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	20	0.31	0.13	0.29
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	20	0.31	0.05	0.3
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	20	0.31	0.05	0.3
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	20	0.3	0.11	0.3
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	20	0.3	0.11	0.3
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	20	0.3	0.02	0.3
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	20	0.3	0.05	0.28
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	20	0.29	0.07	0.3
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	20	0.29	0.14	0.24
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	20	0.29	0.14	0.24
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	20	0.29	0.14	0.24
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	20	0.29	0.14	0.24
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	20	0.29	0.03	0.29
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	20	0.28	0.05	0.28
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	20	0.28	0.05	0.28
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	20	0.28	0.05	0.28
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	20	0.28	0.03	0.29
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	20	0.27	0.04	0.28
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	20	0.27	0.03	0.28
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	20	0.27	0.08	0.28
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	20	0.27	0.08	0.28
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	20	0.27	0.08	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	20	0.26	0.03	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	20	0.26	0.03	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	20	0.26	0.03	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	20	0.26	0.03	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	20	0.26	0.03	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	20	0.26	0.03	0.26
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	20	0.26	0.08	0.26
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	20	0.26	0.09	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	20	0.26	0.09	0.23
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	20	0.25	0.03	0.25
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	20	0.24	0.04	0.25
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	20	0.24	0.03	0.24
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	20	0.23	0.06	0.24
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	20	0.23	0.07	0.21
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	20	0.23	0.07	0.21
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	20	0.23	0.07	0.21
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	20	0.23	0.07	0.21
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	20	0.23	0.07	0.21
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	20	0.23	0.07	0.21
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	20	0.23	0.07	0.21
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	20	0.23	0.07	0.21
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	20	0.23	0.07	0.21
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	20	0.22	0.05	0.24
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	20	0.21	0.03	0.22
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	20	0.2	0.05	0.2
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	20	0.2	0.05	0.2
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	20	0.2	0.07	0.18
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	20	0.2	0.07	0.18
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	20	0.2	0.07	0.18
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	20	0.2	0.07	0.18
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	20	0.2	0.07	0.18
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	20	0.2	0.07	0.18
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	20	0.2	0.02	0.19
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	20	0.2	0.03	0.18
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	20	0.19	0.03	0.18
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	20	0.17	0.02	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	20	0.17	0.02	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	20	0.17	0.02	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	20	0.17	0.02	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	20	0.17	0.02	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	20	0.17	0.02	0.16
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	20	0.16	0.02	0.16
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	19	2.56	0.63	2.76
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	19	2.36	0.23	2.4
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	19	1.9	0.6	2.08
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	19	1.9	0.6	2.08
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	19	1.9	0.6	2.08
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	19	1.9	0.6	2.08
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	19	1.9	0.6	2.08
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	19	1.9	0.6	2.08

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	19	1.35	0.1	1.31
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	19	1.23	0.53	1.48
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	19	1.23	0.53	1.48
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	19	1.19	0.15	1.15
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	19	1.19	0.15	1.15
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	19	1.19	0.15	1.15
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	19	1.09	0.28	1.16
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	19	1.09	0.28	1.16
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	19	1.09	0.28	1.16
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	19	1.08	0.32	1.21
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	19	1.08	0.32	1.21
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	19	1.08	0.32	1.21
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	19	1.08	0.4	1.23
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	19	0.97	0.05	0.97
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	19	0.97	0.05	0.97
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	19	0.93	0.44	1.1
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	19	0.93	0.44	1.1
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	19	0.93	0.44	1.1
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	19	0.93	0.44	1.1
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	19	0.93	0.44	1.1
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	19	0.93	0.44	1.1
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	19	0.93	0.44	1.1
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	19	0.93	0.44	1.1
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	19	0.93	0.44	1.1
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	19	0.89	0.54	0.71
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	19	0.89	0.54	0.71
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	19	0.85	0.22	0.82
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	19	0.85	0.22	0.82
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	19	0.85	0.22	0.82
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	19	0.85	0.22	0.82
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	19	0.85	0.22	0.82
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	19	0.85	0.22	0.82
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	19	0.8	0.74	0.42
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	19	0.8	0.74	0.42
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	19	0.8	0.74	0.42
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	19	0.78	0.39	0.78
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	19	0.78	0.39	0.78
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	19	0.78	0.39	0.78
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	19	0.78	0.39	0.78
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	19	0.78	0.39	0.78
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	19	0.78	0.39	0.78
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	19	0.76	0.44	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	19	0.76	0.44	0.61
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	19	0.72	0.5	0.51
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	19	0.72	0.5	0.51
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	19	0.72	0.25	0.75
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	19	0.72	0.25	0.75
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	19	0.72	0.5	0.61
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	19	0.72	0.5	0.61
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	19	0.67	0.25	0.65
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	19	0.67	0.25	0.65
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	19	0.67	0.25	0.65
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	19	0.66	0.26	0.69
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	19	0.66	0.26	0.69
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	19	0.64	0.05	0.65
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	19	0.62	0.35	0.53
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	19	0.62	0.35	0.53
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	19	0.59	0.16	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	19	0.59	0.16	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	19	0.59	0.16	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	19	0.59	0.16	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	19	0.59	0.16	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	19	0.59	0.16	0.59
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	19	0.56	0.04	0.57
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	19	0.55	0.16	0.56
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	19	0.55	0.16	0.56
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	19	0.55	0.16	0.56
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	19	0.55	0.16	0.56
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	19	0.55	0.16	0.56
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	19	0.55	0.16	0.56
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	19	0.55	0.16	0.56
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	19	0.55	0.16	0.56
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	19	0.52	0.22	0.55
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	19	0.52	0.22	0.55
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	19	0.51	0.22	0.47
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	19	0.5	0.08	0.51
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	19	0.48	0.14	0.51
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	19	0.48	0.14	0.51
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	19	0.48	0.14	0.51
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	19	0.45	0.2	0.52
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	19	0.44	0.19	0.39
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	19	0.44	0.19	0.39
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	19	0.44	0.19	0.39
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	19	0.44	0.19	0.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	19	0.44	0.19	0.39
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	19	0.44	0.19	0.39
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	19	0.44	0.22	0.39
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	19	0.42	0.09	0.44
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	19	0.41	0.21	0.33
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	19	0.38	0.12	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	19	0.38	0.12	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	19	0.38	0.12	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	19	0.38	0.12	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	19	0.38	0.12	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	19	0.38	0.12	0.36
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	19	0.36	0.2	0.29
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	19	0.36	0.2	0.29
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	19	0.36	0.2	0.29
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	19	0.36	0.2	0.29
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	19	0.31	0.17	0.23
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	19	0.31	0.11	0.33
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	19	0.3	0.08	0.31
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	19	0.29	0.07	0.27
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	19	0.26	0.11	0.23
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	19	0.23	0.09	0.23
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	19	0.23	0.08	0.22
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	19	0.18	0.06	0.16
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	19	0.15	0.02	0.15
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	18	1.88	0.46	1.82
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	18	1.88	0.46	1.82
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	18	1.73	0.65	1.92
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	18	1.43	0.24	1.5
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	18	1.43	0.24	1.5
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	18	1.43	0.24	1.5
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	18	1.39	0.75	1.71
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	18	1.39	0.75	1.71
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	18	1.17	0.37	1.2
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	18	1.03	0.15	1.1
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	18	1.03	0.15	1.1
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	18	0.79	0.27	0.92
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	18	0.79	0.27	0.92
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	18	0.79	0.27	0.92
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	18	0.79	0.27	0.92
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	18	0.78	0.49	1.13
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	18	0.78	0.49	1.13
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	18	0.78	0.49	1.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	18	0.78	0.49	1.13
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	18	0.66	0.24	0.62
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	18	0.65	0.21	0.6
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	18	0.57	0.45	0.38
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	18	0.57	0.45	0.38
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	18	0.54	0.45	0.35
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	18	0.54	0.45	0.35
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	18	0.53	0.35	0.38
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	18	0.53	0.35	0.38
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	18	0.53	0.35	0.38
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	18	0.53	0.35	0.38
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	18	0.53	0.35	0.38
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	18	0.53	0.35	0.38
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	18	0.49	0.07	0.5
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	18	0.46	0.11	0.49
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	18	0.46	0.11	0.49
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	18	0.44	0.28	0.35
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	18	0.44	0.28	0.35
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	18	0.44	0.28	0.35
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	18	0.44	0.28	0.35
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	18	0.44	0.28	0.35
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	18	0.44	0.28	0.35
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	18	0.44	0.08	0.45
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	18	0.44	0.08	0.45
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	18	0.43	0.12	0.42
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	18	0.42	0.16	0.38
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	18	0.41	0.17	0.44
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	18	0.38	0.15	0.36
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	18	0.36	0.17	0.33
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	18	0.23	0.07	0.23
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	18	0.23	0.07	0.23
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	18	0.23	0.07	0.23
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	18	0.23	0.07	0.23
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	18	0.23	0.07	0.23
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	18	0.23	0.07	0.23
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	18	0.22	0.09	0.2
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	18	0.22	0.09	0.2
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	18	0.21	0.09	0.16
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	18	0.2	0.08	0.19
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	18	0.2	0.08	0.19
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	18	0.2	0.08	0.19
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	18	0.2	0.08	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	18	0.2	0.08	0.19
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	18	0.2	0.08	0.19
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	18	0.18	0.02	0.18
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	18	0.17	0.05	0.16
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	18	0.13	0.0	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	18	0.13	0.0	0.13
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	17	1.5	0.05	1.51
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	17	1.13	0.42	1.33
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	17	1.11	0.56	1.54
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	17	1.11	0.56	1.54
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	17	0.59	0.43	0.49
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	17	0.59	0.43	0.49
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	17	0.59	0.31	0.5
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	17	0.59	0.38	0.36
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	17	0.51	0.2	0.47
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	17	0.44	0.23	0.36
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	17	0.44	0.23	0.36
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	17	0.39	0.04	0.4
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	17	0.37	0.25	0.29
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	17	0.36	0.22	0.29
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	17	0.36	0.12	0.37
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	17	0.36	0.12	0.37
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	17	0.28	0.07	0.27
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	17	0.28	0.1	0.29
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	17	0.22	0.08	0.2
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	17	0.22	0.08	0.2
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	17	0.2	0.04	0.19
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	17	0.18	0.06	0.17
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	17	0.18	0.06	0.17
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	17	0.16	0.06	0.15
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	17	0.14	0.02	0.13
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	16	1.1	0.18	1.18
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	16	1.1	0.18	1.18
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	16	1.1	0.18	1.18
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	16	1.1	0.18	1.18
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	16	1.06	0.33	1.02
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	16	0.96	0.49	0.87
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	16	0.96	0.49	0.87
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	16	0.66	0.56	0.46
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	16	0.66	0.56	0.46
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	16	0.52	0.4	0.28
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	16	0.47	0.23	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	16	0.47	0.23	0.47
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	16	0.45	0.23	0.43
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	16	0.45	0.23	0.43
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	16	0.45	0.23	0.4
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	16	0.45	0.23	0.4
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	16	0.35	0.29	0.18
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	16	0.35	0.29	0.18
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	16	0.35	0.29	0.18
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	16	0.33	0.07	0.36
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	16	0.33	0.07	0.36
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	16	0.27	0.14	0.22
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	16	0.27	0.14	0.22
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	16	0.27	0.14	0.22
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	16	0.27	0.14	0.22
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	16	0.27	0.09	0.26
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	16	0.25	0.25	0.19
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	16	0.25	0.25	0.19
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	16	0.25	0.25	0.19
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	16	0.25	0.25	0.19
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	16	0.25	0.25	0.19
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	16	0.25	0.25	0.19
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	16	0.25	0.25	0.19
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	16	0.25	0.25	0.19
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	16	0.25	0.25	0.19
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	16	0.23	0.07	0.22
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	16	0.2	0.07	0.19
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	16	0.2	0.07	0.19
(1,1132)	1:117:A:CYS:HB2	1:122:A:VAL:H	15	1.26	0.32	1.34
(1,1132)	1:117:A:CYS:HB3	1:122:A:VAL:H	15	1.26	0.32	1.34
(1,828)	1:53:A:VAL:H	1:53:A:VAL:HB	15	1.09	0.05	1.08
(1,836)	1:57:A:CYS:H	1:57:A:CYS:HG	15	0.96	0.42	0.69
(1,1054)	1:105:A:TRP:H	1:105:A:TRP:HD1	15	0.84	0.52	0.74
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB2	15	0.81	0.41	0.84
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB3	15	0.81	0.41	0.84
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG12	15	0.73	0.47	0.76
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG13	15	0.73	0.47	0.76
(1,905)	1:70:A:SER:H	1:70:A:SER:HB2	15	0.61	0.28	0.53
(1,905)	1:70:A:SER:H	1:70:A:SER:HB3	15	0.61	0.28	0.53
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG11	15	0.58	0.18	0.63
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG12	15	0.58	0.18	0.63
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG13	15	0.58	0.18	0.63
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG21	15	0.58	0.18	0.63

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG22	15	0.58	0.18	0.63
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG23	15	0.58	0.18	0.63
(1,1229)	1:135:A:LYS:H	1:136:A:VAL:H	15	0.56	0.28	0.5
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB2	15	0.55	0.29	0.4
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB3	15	0.55	0.29	0.4
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	15	0.49	0.14	0.41
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	15	0.49	0.14	0.41
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	15	0.49	0.14	0.41
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	15	0.49	0.14	0.41
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	15	0.49	0.14	0.41
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	15	0.49	0.14	0.41
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	15	0.49	0.14	0.41
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	15	0.49	0.14	0.41
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	15	0.49	0.14	0.41
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	15	0.49	0.14	0.41
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	15	0.49	0.14	0.41
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	15	0.49	0.14	0.41
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD2	15	0.42	0.23	0.32
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD3	15	0.42	0.23	0.32
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD2	15	0.42	0.23	0.32
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD3	15	0.42	0.23	0.32
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG11	15	0.34	0.09	0.32
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG12	15	0.34	0.09	0.32
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG13	15	0.34	0.09	0.32
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG21	15	0.34	0.09	0.32
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG22	15	0.34	0.09	0.32
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG23	15	0.34	0.09	0.32
(1,1126)	1:116:A:VAL:HB	1:117:A:CYS:H	15	0.32	0.14	0.32
(1,1057)	1:105:A:TRP:H	1:106:A:GLU:H	15	0.3	0.11	0.31
(1,780)	1:46:A:ASP:H	1:47:A:ILE:H	15	0.28	0.12	0.27
(1,712)	1:32:A:GLN:H	1:33:A:ARG:H	15	0.24	0.09	0.23
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG12	15	0.23	0.09	0.2
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG13	15	0.23	0.09	0.2
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG11	15	0.22	0.08	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG12	15	0.22	0.08	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG13	15	0.22	0.08	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG21	15	0.22	0.08	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG22	15	0.22	0.08	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG23	15	0.22	0.08	0.23
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD2	14	1.61	0.57	1.82
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD3	14	1.61	0.57	1.82
(1,919)	1:74:A:GLY:H	1:75:A:VAL:H	14	1.14	0.37	1.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD11	14	1.03	0.39	1.19
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD12	14	1.03	0.39	1.19
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD13	14	1.03	0.39	1.19
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD21	14	1.03	0.39	1.19
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD22	14	1.03	0.39	1.19
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD23	14	1.03	0.39	1.19
(1,1032)	1:101:A:THR:HA	1:102:A:MET:H	14	0.89	0.28	1.0
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB2	14	0.64	0.33	0.81
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB3	14	0.64	0.33	0.81
(1,867)	1:61:A:ILE:HB	1:62:A:LEU:H	14	0.59	0.49	0.35
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE21	14	0.34	0.12	0.31
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE22	14	0.34	0.12	0.31
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE21	14	0.34	0.12	0.31
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE22	14	0.34	0.12	0.31
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG11	14	0.32	0.22	0.21
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG12	14	0.32	0.22	0.21
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG13	14	0.32	0.22	0.21
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG21	14	0.32	0.22	0.21
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG22	14	0.32	0.22	0.21
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG23	14	0.32	0.22	0.21
(1,1178)	1:128:A:ILE:H	1:129:A:ASN:H	14	0.3	0.08	0.31
(1,995)	1:94:A:ASP:HB2	1:95:A:TYR:H	14	0.23	0.09	0.24
(1,995)	1:94:A:ASP:HB3	1:95:A:TYR:H	14	0.23	0.09	0.24
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG2	14	0.19	0.06	0.2
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG3	14	0.19	0.06	0.2
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG12	14	0.19	0.08	0.17
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG13	14	0.19	0.08	0.17
(1,696)	1:29:A:VAL:H	1:30:A:VAL:H	14	0.19	0.09	0.16
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD11	14	0.17	0.06	0.16
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD12	14	0.17	0.06	0.16
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD13	14	0.17	0.06	0.16
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD21	14	0.17	0.06	0.16
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD22	14	0.17	0.06	0.16
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD23	14	0.17	0.06	0.16
(1,702)	1:30:A:VAL:H	1:31:A:ARG:H	14	0.15	0.03	0.14
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG2	13	0.88	0.57	1.04
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG3	13	0.88	0.57	1.04
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG12	13	0.7	0.45	0.76
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG13	13	0.7	0.45	0.76
(1,1023)	1:98:A:GLN:HB2	1:99:A:ASN:H	13	0.66	0.58	0.26
(1,1023)	1:98:A:GLN:HB3	1:99:A:ASN:H	13	0.66	0.58	0.26
(1,909)	1:71:A:ILE:H	1:71:A:ILE:HA	13	0.65	0.29	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB2	13	0.61	0.27	0.54
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB3	13	0.61	0.27	0.54
(1,801)	1:48:A:SER:HB2	1:49:A:ARG:H	13	0.44	0.29	0.29
(1,801)	1:48:A:SER:HB3	1:49:A:ARG:H	13	0.44	0.29	0.29
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB2	13	0.37	0.23	0.31
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB3	13	0.37	0.23	0.31
(1,1169)	1:127:A:SER:H	1:128:A:ILE:H	13	0.34	0.13	0.31
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG11	13	0.32	0.17	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG12	13	0.32	0.17	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG13	13	0.32	0.17	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG21	13	0.32	0.17	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG22	13	0.32	0.17	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG23	13	0.32	0.17	0.25
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG2	12	1.17	0.35	1.33
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG3	12	1.17	0.35	1.33
(1,901)	1:68:A:THR:HA	1:69:A:GLY:H	12	0.92	0.29	1.04
(1,672)	1:19:A:ALA:HB1	1:20:A:PHE:H	12	0.8	0.48	0.6
(1,672)	1:19:A:ALA:HB2	1:20:A:PHE:H	12	0.8	0.48	0.6
(1,672)	1:19:A:ALA:HB3	1:20:A:PHE:H	12	0.8	0.48	0.6
(1,894)	1:66:A:TYR:HA	1:67:A:GLU:H	12	0.77	0.44	1.08
(1,887)	1:65:A:TYR:H	1:65:A:TYR:HA	12	0.68	0.06	0.68
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG2	12	0.48	0.24	0.45
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG3	12	0.48	0.24	0.45
(1,1220)	1:134:A:THR:H	1:134:A:THR:HG1	12	0.28	0.06	0.29
(1,707)	1:31:A:ARG:H	1:32:A:GLN:H	12	0.2	0.04	0.21
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB2	12	0.19	0.06	0.17
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB3	12	0.19	0.06	0.17
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG2	12	0.19	0.13	0.14
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG3	12	0.19	0.13	0.14
(1,111)	1:37:A:LEU:HA	1:40:A:GLN:H	12	0.15	0.04	0.13
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG2	11	1.4	0.15	1.48
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG3	11	1.4	0.15	1.48
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG2	11	1.11	0.45	1.22
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG3	11	1.11	0.45	1.22
(1,256)	1:65:A:TYR:H	1:65:A:TYR:HD2	11	0.91	0.39	0.89
(1,890)	1:65:A:TYR:H	1:66:A:TYR:H	11	0.76	0.5	0.82
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG2	11	0.63	0.32	0.61
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG3	11	0.63	0.32	0.61
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	11	0.35	0.31	0.21
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	11	0.35	0.31	0.21
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	11	0.35	0.31	0.21
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	11	0.35	0.31	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG12	11	0.31	0.1	0.3
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG13	11	0.31	0.1	0.3
(1,1049)	1:104:A:ALA:HB1	1:105:A:TRP:H	11	0.3	0.14	0.23
(1,1049)	1:104:A:ALA:HB2	1:105:A:TRP:H	11	0.3	0.14	0.23
(1,1049)	1:104:A:ALA:HB3	1:105:A:TRP:H	11	0.3	0.14	0.23
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB2	11	0.28	0.12	0.27
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB3	11	0.28	0.12	0.27
(1,1124)	1:116:A:VAL:H	1:117:A:CYS:H	11	0.21	0.09	0.19
(1,939)	1:83:A:VAL:HG11	1:84:A:ALA:H	11	0.19	0.11	0.15
(1,939)	1:83:A:VAL:HG12	1:84:A:ALA:H	11	0.19	0.11	0.15
(1,939)	1:83:A:VAL:HG13	1:84:A:ALA:H	11	0.19	0.11	0.15
(1,939)	1:83:A:VAL:HG21	1:84:A:ALA:H	11	0.19	0.11	0.15
(1,939)	1:83:A:VAL:HG22	1:84:A:ALA:H	11	0.19	0.11	0.15
(1,939)	1:83:A:VAL:HG23	1:84:A:ALA:H	11	0.19	0.11	0.15
(1,619)	1:136:A:VAL:H	1:137:A:GLN:H	11	0.18	0.07	0.16
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG2	11	0.18	0.05	0.17
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG3	11	0.18	0.05	0.17
(1,1121)	1:115:A:GLY:HA2	1:116:A:VAL:H	11	0.17	0.05	0.16
(1,1121)	1:115:A:GLY:HA3	1:116:A:VAL:H	11	0.17	0.05	0.16
(1,900)	1:68:A:THR:H	1:69:A:GLY:H	10	0.87	0.43	0.76
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD2	10	0.68	0.58	0.54
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD3	10	0.68	0.58	0.54
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG2	10	0.28	0.23	0.15
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG3	10	0.28	0.23	0.15
(1,1167)	1:126:A:SER:H	1:127:A:SER:H	10	0.2	0.07	0.19
(1,694)	1:29:A:VAL:H	1:29:A:VAL:HB	10	0.19	0.06	0.17
(1,940)	1:84:A:ALA:H	1:84:A:ALA:HA	10	0.13	0.01	0.12
(1,903)	1:69:A:GLY:H	1:70:A:SER:H	9	0.87	0.34	0.98
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE21	9	0.6	0.24	0.56
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE22	9	0.6	0.24	0.56
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	9	0.4	0.25	0.35
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	9	0.4	0.25	0.35
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	9	0.4	0.25	0.35
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	9	0.4	0.25	0.35
(1,879)	1:64:A:ARG:H	1:65:A:TYR:H	9	0.39	0.12	0.41
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB1	9	0.38	0.29	0.15
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB2	9	0.38	0.29	0.15
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB3	9	0.38	0.29	0.15
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB2	9	0.25	0.16	0.2
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB3	9	0.25	0.16	0.2
(1,691)	1:27:A:PRO:HA	1:28:A:GLU:H	9	0.21	0.06	0.21
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG12	9	0.21	0.08	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG13	9	0.21	0.08	0.17
(1,1149)	1:121:A:THR:H	1:121:A:THR:HG1	8	0.61	0.29	0.61
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD11	8	0.42	0.27	0.37
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD12	8	0.42	0.27	0.37
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD13	8	0.42	0.27	0.37
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD2	8	0.33	0.18	0.28
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD3	8	0.33	0.18	0.28
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	8	0.33	0.18	0.28
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD3	8	0.33	0.18	0.28
(1,1253)	1:146:A:SER:HA	1:147:A:GLY:H	8	0.31	0.19	0.24
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	8	0.24	0.03	0.23
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE3	8	0.24	0.03	0.23
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE2	8	0.24	0.03	0.23
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE3	8	0.24	0.03	0.23
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG2	8	0.22	0.13	0.18
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG3	8	0.22	0.13	0.18
(1,848)	1:59:A:SER:H	1:59:A:SER:HB2	8	0.2	0.12	0.11
(1,848)	1:59:A:SER:H	1:59:A:SER:HB3	8	0.2	0.12	0.11
(1,686)	1:25:A:PRO:HA	1:26:A:LEU:H	8	0.19	0.02	0.2
(1,1034)	1:102:A:MET:H	1:102:A:MET:HB2	7	0.42	0.3	0.27
(1,1034)	1:102:A:MET:H	1:102:A:MET:HB3	7	0.42	0.3	0.27
(1,837)	1:57:A:CYS:H	1:58:A:VAL:H	7	0.19	0.05	0.2
(1,1162)	1:125:A:VAL:H	1:126:A:SER:H	7	0.15	0.04	0.14
(1,481)	1:111:A:LEU:HA	1:111:A:LEU:HG	7	0.14	0.03	0.14
(1,293)	1:73:A:PRO:HA	1:74:A:GLY:H	7	0.14	0.02	0.14
(1,564)	1:128:A:ILE:HB	1:129:A:ASN:H	7	0.13	0.02	0.13
(1,1103)	1:112:A:LEU:H	1:112:A:LEU:HB2	7	0.12	0.02	0.12
(1,1103)	1:112:A:LEU:H	1:112:A:LEU:HB3	7	0.12	0.02	0.12
(1,1252)	1:146:A:SER:H	1:146:A:SER:HA	7	0.12	0.01	0.11
(1,149)	1:45:A:CYS:HA	1:46:A:ASP:H	7	0.11	0.01	0.11
(1,1171)	1:127:A:SER:HB2	1:128:A:ILE:H	6	0.35	0.1	0.36
(1,1171)	1:127:A:SER:HB3	1:128:A:ILE:H	6	0.35	0.1	0.36
(1,1035)	1:102:A:MET:H	1:102:A:MET:HG2	6	0.32	0.17	0.22
(1,1035)	1:102:A:MET:H	1:102:A:MET:HG3	6	0.32	0.17	0.22
(1,861)	1:61:A:ILE:H	1:61:A:ILE:HG12	6	0.21	0.08	0.2
(1,861)	1:61:A:ILE:H	1:61:A:ILE:HG13	6	0.21	0.08	0.2
(1,803)	1:49:A:ARG:H	1:49:A:ARG:HG2	6	0.21	0.13	0.14
(1,803)	1:49:A:ARG:H	1:49:A:ARG:HG3	6	0.21	0.13	0.14
(1,298)	1:75:A:VAL:H	1:76:A:ILE:H	6	0.18	0.05	0.16
(1,729)	1:34:A:ILE:H	1:35:A:VAL:H	6	0.15	0.03	0.15
(1,1160)	1:125:A:VAL:H	1:125:A:VAL:HB	6	0.13	0.03	0.13
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG21	5	0.77	0.56	1.0

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG22	5	0.77	0.56	1.0
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG23	5	0.77	0.56	1.0
(1,716)	1:33:A:ARG:H	1:33:A:ARG:HG2	5	0.64	0.42	0.42
(1,716)	1:33:A:ARG:H	1:33:A:ARG:HG3	5	0.64	0.42	0.42
(1,839)	1:57:A:CYS:HB2	1:58:A:VAL:H	5	0.38	0.1	0.41
(1,839)	1:57:A:CYS:HB3	1:58:A:VAL:H	5	0.38	0.1	0.41
(1,839)	1:57:A:CYS:HB2	1:58:A:VAL:H	5	0.38	0.1	0.41
(1,839)	1:57:A:CYS:HB3	1:58:A:VAL:H	5	0.38	0.1	0.41
(1,831)	1:53:A:VAL:HB	1:54:A:SER:H	5	0.37	0.33	0.21
(1,320)	1:82:A:LYS:H	1:83:A:VAL:H	5	0.27	0.06	0.29
(1,782)	1:46:A:ASP:HB2	1:47:A:ILE:H	5	0.23	0.11	0.18
(1,782)	1:46:A:ASP:HB3	1:47:A:ILE:H	5	0.23	0.11	0.18
(1,441)	1:105:A:TRP:H	1:105:A:TRP:HD1	5	0.21	0.05	0.23
(1,732)	1:34:A:ILE:HB	1:35:A:VAL:H	5	0.2	0.08	0.23
(1,785)	1:47:A:ILE:H	1:47:A:ILE:HG12	5	0.19	0.11	0.15
(1,785)	1:47:A:ILE:H	1:47:A:ILE:HG13	5	0.19	0.11	0.15
(1,787)	1:47:A:ILE:H	1:47:A:ILE:HG12	5	0.19	0.1	0.15
(1,787)	1:47:A:ILE:H	1:47:A:ILE:HG13	5	0.19	0.1	0.15
(1,1094)	1:111:A:LEU:H	1:111:A:LEU:HG	4	0.51	0.34	0.52
(1,667)	1:15:A:GLN:HB2	1:16:A:LEU:H	4	0.28	0.09	0.3
(1,667)	1:15:A:GLN:HB3	1:16:A:LEU:H	4	0.28	0.09	0.3
(1,667)	1:15:A:GLN:HB2	1:16:A:LEU:H	4	0.28	0.09	0.3
(1,667)	1:15:A:GLN:HB3	1:16:A:LEU:H	4	0.28	0.09	0.3
(1,902)	1:69:A:GLY:H	1:69:A:GLY:HA2	4	0.16	0.01	0.16
(1,902)	1:69:A:GLY:H	1:69:A:GLY:HA3	4	0.16	0.01	0.16
(1,1027)	1:101:A:THR:H	1:101:A:THR:HA	4	0.16	0.02	0.16
(1,332)	1:83:A:VAL:HB	1:84:A:ALA:H	4	0.14	0.04	0.12
(1,1089)	1:110:A:ARG:H	1:110:A:ARG:HB2	4	0.14	0.03	0.13
(1,1089)	1:110:A:ARG:H	1:110:A:ARG:HB3	4	0.14	0.03	0.13
(1,1100)	1:111:A:LEU:HB2	1:112:A:LEU:H	4	0.14	0.02	0.14
(1,1100)	1:111:A:LEU:HB3	1:112:A:LEU:H	4	0.14	0.02	0.14
(1,200)	1:53:A:VAL:HA	1:54:A:SER:H	4	0.14	0.02	0.12
(1,966)	1:89:A:VAL:H	1:90:A:GLU:H	4	0.11	0.01	0.1
(1,1030)	1:101:A:THR:H	1:101:A:THR:HG21	3	0.53	0.02	0.53
(1,1030)	1:101:A:THR:H	1:101:A:THR:HG22	3	0.53	0.02	0.53
(1,1030)	1:101:A:THR:H	1:101:A:THR:HG23	3	0.53	0.02	0.53
(1,899)	1:68:A:THR:H	1:68:A:THR:HG21	3	0.47	0.1	0.4
(1,899)	1:68:A:THR:H	1:68:A:THR:HG22	3	0.47	0.1	0.4
(1,899)	1:68:A:THR:H	1:68:A:THR:HG23	3	0.47	0.1	0.4
(1,1195)	1:130:A:ARG:H	1:130:A:ARG:HG2	3	0.46	0.1	0.45
(1,1195)	1:130:A:ARG:H	1:130:A:ARG:HG3	3	0.46	0.1	0.45
(1,278)	1:70:A:SER:HA	1:71:A:ILE:H	3	0.36	0.02	0.36

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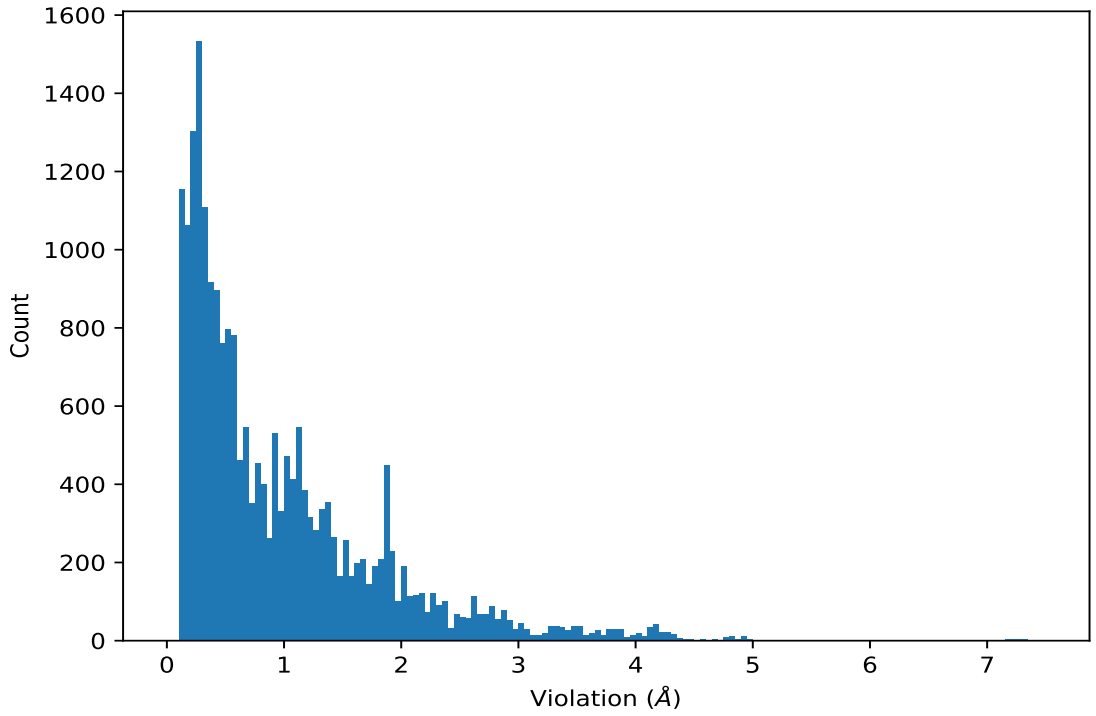
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,30)	1:21:A:VAL:H	1:21:A:VAL:HB	3	0.21	0.03	0.23
(1,923)	1:76:A:ILE:H	1:76:A:ILE:HG12	3	0.21	0.05	0.24
(1,923)	1:76:A:ILE:H	1:76:A:ILE:HG13	3	0.21	0.05	0.24
(1,923)	1:76:A:ILE:H	1:76:A:ILE:HG12	3	0.21	0.05	0.24
(1,923)	1:76:A:ILE:H	1:76:A:ILE:HG13	3	0.21	0.05	0.24
(1,294)	1:74:A:GLY:H	1:75:A:VAL:H	3	0.17	0.04	0.16
(1,617)	1:136:A:VAL:H	1:136:A:VAL:HB	3	0.14	0.03	0.12
(1,840)	1:58:A:VAL:H	1:58:A:VAL:HA	3	0.13	0.04	0.11
(1,531)	1:120:A:ASP:H	1:121:A:THR:HA	3	0.12	0.03	0.1
(1,521)	1:117:A:CYS:HG	1:122:A:VAL:H	3	0.11	0.01	0.11
(1,904)	1:70:A:SER:H	1:70:A:SER:HA	3	0.11	0.0	0.11
(1,699)	1:30:A:VAL:H	1:30:A:VAL:HA	3	0.11	0.01	0.1
(1,1221)	1:134:A:THR:H	1:134:A:THR:HG21	2	0.38	0.28	0.38
(1,1221)	1:134:A:THR:H	1:134:A:THR:HG22	2	0.38	0.28	0.38
(1,1221)	1:134:A:THR:H	1:134:A:THR:HG23	2	0.38	0.28	0.38
(1,20)	1:16:A:LEU:HA	1:17:A:GLY:H	2	0.22	0.08	0.22
(1,259)	1:65:A:TYR:H	1:66:A:TYR:H	2	0.2	0.07	0.2
(2,55)	1:92:A:ILE:H	1:128:A:ILE:HB	2	0.2	0.01	0.2
(2,4)	1:26:A:LEU:HA	1:30:A:VAL:HB	2	0.18	0.0	0.18
(1,240)	1:61:A:ILE:HB	1:62:A:LEU:H	2	0.17	0.04	0.17
(1,270)	1:68:A:THR:H	1:68:A:THR:HG1	2	0.16	0.06	0.16
(1,681)	1:23:A:GLY:HA2	1:24:A:ARG:H	2	0.16	0.01	0.16
(1,681)	1:23:A:GLY:HA3	1:24:A:ARG:H	2	0.16	0.01	0.16
(2,37)	1:64:A:ARG:H	1:67:A:GLU:HA	2	0.16	0.04	0.16
(1,248)	1:63:A:GLY:H	1:64:A:ARG:H	2	0.14	0.01	0.14
(1,364)	1:91:A:LYS:HA	1:95:A:TYR:H	2	0.14	0.02	0.14
(1,779)	1:46:A:ASP:H	1:46:A:ASP:HB2	2	0.12	0.02	0.12
(1,779)	1:46:A:ASP:H	1:46:A:ASP:HB3	2	0.12	0.02	0.12
(1,442)	1:105:A:TRP:H	1:105:A:TRP:HZ2	2	0.12	0.0	0.12
(1,209)	1:57:A:CYS:H	1:58:A:VAL:HB	2	0.11	0.0	0.11
(1,326)	1:83:A:VAL:H	1:83:A:VAL:HB	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)
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	4	7.47
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	17	7.44
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	20	7.38
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	13	7.35
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	19	7.32
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	11	7.31
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	1	7.3
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	18	7.3
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	8	7.27
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	9	7.26
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	3	7.23
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	15	7.22
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	2	7.2
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	7	7.19
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	16	7.17
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	10	7.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	5	7.07
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	14	7.0
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	6	6.72
(1,996)	1:95:A:TYR:H	1:110:A:ARG:HA	12	6.72
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	16	4.99
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	16	4.99
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	16	4.99
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	2	4.94
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	2	4.94
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	2	4.94
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	5	4.92
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	5	4.92
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	5	4.92
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	10	4.92
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	10	4.92
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	10	4.92
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	17	4.91
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	17	4.91
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	17	4.91
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	9	4.86
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	9	4.86
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	9	4.86
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	1	4.85
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	1	4.85
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	1	4.85
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	3	4.84
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	3	4.84
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	3	4.84
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	18	4.83
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	18	4.83
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	18	4.83
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	13	4.82
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	13	4.82
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	13	4.82
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	8	4.8
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	8	4.8
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	8	4.8
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	4	4.76
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	4	4.76
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	4	4.76
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	11	4.75
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	11	4.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	11	4.75
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	20	4.69
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	20	4.69
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	20	4.69
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	12	4.57
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	12	4.57
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	12	4.57
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	10	4.5
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	10	4.5
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	12	4.46
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	12	4.46
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	5	4.45
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	5	4.45
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	14	4.41
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	14	4.41
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	14	4.41
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	7	4.4
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	7	4.4
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	5	4.39
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	5	4.39
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	11	4.38
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	11	4.38
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	19	4.36
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	19	4.36
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	4	4.34
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	4	4.34
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	9	4.34
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	9	4.34
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	11	4.32
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	11	4.32
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	14	4.32
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	14	4.32
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	8	4.32
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	8	4.32
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	6	4.31
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	6	4.31
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	6	4.31
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	15	4.31
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	15	4.31
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	15	4.31
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	6	4.3
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	16	4.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	5	4.29
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	5	4.29
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	17	4.29
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	17	4.29
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	12	4.29
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	10	4.28
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	9	4.28
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	9	4.28
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	10	4.28
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	10	4.28
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	12	4.27
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	12	4.27
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	7	4.27
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	7	4.27
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	7	4.27
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	7	4.26
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	7	4.26
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	7	4.26
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	18	4.26
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	3	4.25
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	3	4.25
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	1	4.23
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	1	4.23
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	16	4.22
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	16	4.22
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	10	4.22
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	20	4.22
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	20	4.22
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	13	4.22
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	11	4.22
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	11	4.22
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	8	4.21
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	8	4.21
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	9	4.21
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	17	4.21
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	4	4.2
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	4	4.2
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	18	4.2
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	18	4.2
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	6	4.2
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	6	4.2
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	2	4.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	2	4.2
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	2	4.19
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	11	4.19
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	11	4.19
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	11	4.19
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	14	4.19
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	14	4.19
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	18	4.19
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	18	4.19
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	12	4.18
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	12	4.18
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	14	4.18
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	15	4.18
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	17	4.18
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	17	4.18
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	1	4.18
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	4	4.18
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	4	4.18
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	9	4.17
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	9	4.17
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	10	4.17
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	10	4.17
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	4	4.17
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	5	4.17
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	5	4.17
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	8	4.17
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	8	4.17
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	16	4.17
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	1	4.17
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	1	4.17
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	19	4.16
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	19	4.16
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	20	4.16
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	7	4.16
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	18	4.16
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	18	4.16
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	8	4.15
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	12	4.15
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	16	4.15
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	12	4.15
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	12	4.15
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	13	4.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	1	4.14
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	19	4.14
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	19	4.14
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	15	4.14
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	9	4.13
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	7	4.13
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	18	4.13
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	8	4.13
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	1	4.12
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	1	4.12
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	13	4.12
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	13	4.12
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	17	4.12
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	17	4.12
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	2	4.12
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	4	4.12
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	4	4.12
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	6	4.12
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	19	4.12
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	11	4.11
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	11	4.11
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	14	4.11
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	14	4.11
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	15	4.11
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	15	4.11
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	20	4.11
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	20	4.11
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	20	4.11
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	1	4.11
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	1	4.11
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	10	4.11
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	9	4.11
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	17	4.11
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	17	4.11
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	7	4.09
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	7	4.09
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	19	4.09
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	9	4.09
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	9	4.09
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	1	4.07
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	11	4.07
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	15	4.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	17	4.06
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	11	4.06
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	7	4.06
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	7	4.06
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	6	4.03
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	12	4.03
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	2	4.03
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	2	4.03
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	5	4.03
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	5	4.03
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	3	4.02
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	3	4.02
(1,1234)	1:135:A:LYS:HG2	1:136:A:VAL:HA	6	4.01
(1,1234)	1:135:A:LYS:HG3	1:136:A:VAL:HA	6	4.01
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	14	4.01
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	9	4.0
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	9	4.0
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	9	4.0
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	10	4.0
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	10	4.0
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	10	4.0
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	13	4.0
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	13	4.0
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	13	4.0
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	3	3.99
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG21	19	3.98
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG22	19	3.98
(1,1191)	1:129:A:ASN:H	1:131:A:ILE:HG23	19	3.98
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	2	3.98
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	14	3.98
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	14	3.98
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	15	3.98
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	3	3.97
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	6	3.97
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	2	3.96
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	20	3.95
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	20	3.95
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	18	3.95
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	20	3.95
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	13	3.92
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	5	3.92
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	12	3.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	12	3.92
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	12	3.92
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	8	3.91
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	18	3.91
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	5	3.91
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	19	3.91
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	19	3.91
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	2	3.9
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	4	3.9
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	11	3.89
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	11	3.89
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	11	3.89
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	19	3.89
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	19	3.89
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	16	3.89
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	3	3.88
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	3	3.88
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	3	3.88
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	16	3.88
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	16	3.88
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	16	3.88
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	16	3.88
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	16	3.88
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	16	3.86
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	8	3.86
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	3	3.86
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	3	3.86
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	3	3.86
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	7	3.86
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	7	3.86
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	7	3.86
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	13	3.85
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	13	3.85
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	13	3.85
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	3	3.85
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	3	3.85
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	10	3.84
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	5	3.84
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	5	3.84
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	5	3.84
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	20	3.84
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	20	3.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	10	3.84
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	10	3.84
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	10	3.84
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	10	3.84
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	10	3.84
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	10	3.84
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	20	3.83
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	8	3.83
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	8	3.83
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	8	3.83
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	6	3.83
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	6	3.83
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	6	3.83
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	2	3.83
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	2	3.83
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	2	3.83
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	11	3.83
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	11	3.83
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	11	3.83
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	18	3.82
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	18	3.82
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	18	3.82
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	19	3.81
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	3	3.81
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	14	3.8
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	10	3.8
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	10	3.8
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	10	3.8
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	5	3.8
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	5	3.8
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	5	3.8
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	17	3.79
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	17	3.79
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	17	3.79
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	4	3.78
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	4	3.78
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	4	3.78
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	5	3.77
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	5	3.77
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	5	3.77
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	18	3.77
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	18	3.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	14	3.77
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	11	3.77
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	11	3.77
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	11	3.77
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	16	3.77
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	16	3.77
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	16	3.77
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	3	3.76
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	3	3.76
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	3	3.76
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	2	3.76
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	12	3.76
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	18	3.74
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	18	3.74
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	11	3.73
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	2	3.72
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	18	3.71
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	18	3.71
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	18	3.71
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	18	3.71
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	4	3.7
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	4	3.7
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	1	3.7
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	1	3.7
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	1	3.7
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	19	3.69
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	19	3.69
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	10	3.68
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	6	3.68
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	6	3.68
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	6	3.68
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	2	3.68
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	2	3.68
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	2	3.68
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	3	3.68
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	7	3.67
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	19	3.67
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	19	3.67
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	19	3.67
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	6	3.67
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	6	3.67
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	6	3.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	4	3.66
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	2	3.66
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	2	3.66
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	2	3.66
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	14	3.66
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	17	3.66
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	10	3.66
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	10	3.66
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	10	3.66
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	5	3.65
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	7	3.65
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	7	3.65
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	4	3.64
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	4	3.64
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	4	3.64
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	8	3.64
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	8	3.64
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	8	3.64
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	1	3.63
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	6	3.63
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	6	3.63
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	13	3.62
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	10	3.61
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	7	3.61
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	7	3.61
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	3	3.6
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	3	3.6
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	19	3.59
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	19	3.59
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	19	3.59
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	13	3.58
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	17	3.58
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	18	3.57
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	18	3.57
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	4	3.57
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	4	3.57
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	4	3.57
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	9	3.56
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	15	3.56
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	15	3.56
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	15	3.56
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	8	3.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	11	3.55
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	15	3.55
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	15	3.55
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	15	3.55
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	20	3.54
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	20	3.54
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	20	3.54
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	15	3.54
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	8	3.54
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	12	3.54
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	12	3.54
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	12	3.54
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	2	3.53
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	2	3.53
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	3	3.52
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	3	3.52
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	3	3.52
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	4	3.51
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	17	3.51
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	17	3.51
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	17	3.51
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	18	3.51
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	18	3.51
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	18	3.51
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	13	3.51
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	18	3.51
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	4	3.51
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	4	3.51
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	16	3.51
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	16	3.51
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	16	3.51
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	5	3.51
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	5	3.51
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	19	3.5
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	10	3.5
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	10	3.5
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	10	3.5
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	4	3.49
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	6	3.49
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	6	3.49
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	6	3.49
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	6	3.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	6	3.49
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	6	3.49
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	6	3.49
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	6	3.49
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	6	3.49
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	7	3.49
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	7	3.49
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	7	3.49
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	7	3.49
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	3	3.48
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	3	3.48
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	3	3.48
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	1	3.46
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	1	3.46
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	1	3.46
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	12	3.46
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	12	3.46
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	12	3.46
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	19	3.46
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	19	3.46
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	19	3.46
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	1	3.45
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	1	3.45
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	1	3.45
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	1	3.45
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	17	3.45
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	17	3.45
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	12	3.45
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	12	3.45
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	12	3.45
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	9	3.45
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	9	3.45
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	9	3.45
(1,1243)	1:140:A:PHE:H	1:140:A:PHE:HZ	11	3.44
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	7	3.44
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	7	3.44
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	5	3.44
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	5	3.44
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	5	3.44
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	17	3.44
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	17	3.44
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	17	3.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	17	3.44
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	17	3.44
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	17	3.44
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	18	3.43
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	11	3.43
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	11	3.43
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	11	3.43
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	2	3.41
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	20	3.41
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	2	3.41
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	2	3.41
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	4	3.41
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	4	3.41
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	4	3.41
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	5	3.41
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	5	3.41
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	5	3.41
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	16	3.4
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	20	3.4
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	1	3.4
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	1	3.4
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	16	3.4
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	16	3.4
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	8	3.4
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	8	3.4
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	8	3.4
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	13	3.4
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	13	3.4
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	13	3.4
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	7	3.39
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	7	3.39
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	7	3.39
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	7	3.39
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	10	3.39
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	1	3.38
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	1	3.38
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	1	3.38
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	1	3.38
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	1	3.38
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	12	3.37
(1,1055)	1:105:A:TRP:H	1:105:A:TRP:HZ2	18	3.37
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	19	3.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	19	3.36
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	19	3.36
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	1	3.36
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	1	3.36
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	1	3.36
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	15	3.36
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	15	3.36
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	12	3.35
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	12	3.35
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	12	3.35
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	11	3.34
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	11	3.34
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	11	3.34
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	8	3.34
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	8	3.34
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	20	3.33
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	20	3.33
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	20	3.33
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	13	3.32
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	13	3.32
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	13	3.32
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	11	3.32
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	11	3.32
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	11	3.32
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	11	3.32
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	11	3.32
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	11	3.32
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	11	3.32
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	11	3.32
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	11	3.32
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	6	3.32
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	6	3.32
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	3	3.32
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	3	3.32
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	3	3.32
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	6	3.32
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	6	3.32
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	6	3.32
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	15	3.32
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	15	3.32
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	15	3.32
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	5	3.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	8	3.31
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	9	3.31
(1,984)	1:92:A:ILE:H	1:128:A:ILE:HB	12	3.31
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	10	3.31
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	10	3.31
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	12	3.3
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	12	3.3
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	5	3.3
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	2	3.3
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	2	3.3
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	6	3.29
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	6	3.29
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	6	3.29
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	11	3.29
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	11	3.28
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	11	3.28
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	11	3.28
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	2	3.28
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	16	3.28
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	16	3.28
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	16	3.28
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	15	3.27
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	15	3.27
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	15	3.27
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	2	3.27
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	2	3.27
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	2	3.27
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	20	3.27
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	20	3.27
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	20	3.27
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	11	3.26
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	11	3.26
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	20	3.26
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	14	3.26
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	14	3.26
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	14	3.26
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	17	3.25
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	5	3.25
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	5	3.25
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	1	3.25
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	20	3.25
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	20	3.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	20	3.25
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	3	3.24
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	3	3.24
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	11	3.24
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	11	3.24
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	11	3.24
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	13	3.23
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	13	3.23
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	1	3.23
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	1	3.23
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	1	3.23
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	8	3.22
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	8	3.22
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	8	3.22
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	10	3.22
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	2	3.22
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	15	3.2
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	19	3.2
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	19	3.2
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	19	3.2
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	19	3.19
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	13	3.19
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	13	3.19
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	13	3.19
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	7	3.19
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	7	3.19
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	7	3.19
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	13	3.19
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	13	3.19
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	17	3.17
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	1	3.16
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	8	3.16
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	8	3.16
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	8	3.16
(1,735)	1:34:A:ILE:HG21	1:36:A:ASP:H	18	3.15
(1,735)	1:34:A:ILE:HG22	1:36:A:ASP:H	18	3.15
(1,735)	1:34:A:ILE:HG23	1:36:A:ASP:H	18	3.15
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	2	3.11
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	17	3.11
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	17	3.11
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	17	3.11
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	18	3.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	15	3.11
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	15	3.11
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	18	3.1
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	16	3.1
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	16	3.1
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	4	3.09
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	4	3.09
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	4	3.09
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	4	3.09
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	4	3.09
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	4	3.09
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	4	3.09
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	4	3.09
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	4	3.09
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	8	3.09
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	4	3.08
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	4	3.08
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	4	3.08
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	14	3.08
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	10	3.08
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	10	3.08
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	2	3.07
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	2	3.07
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	2	3.07
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	13	3.07
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	13	3.07
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	13	3.07
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	10	3.07
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	13	3.07
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	1	3.06
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	18	3.06
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	13	3.06
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	8	3.06
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	8	3.06
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	8	3.06
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	19	3.05
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	19	3.05
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	6	3.05
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	15	3.04
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	15	3.04
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	4	3.04
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	4	3.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	13	3.04
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	13	3.04
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	16	3.04
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	13	3.04
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	13	3.04
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	13	3.04
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	14	3.04
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	9	3.03
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	9	3.03
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	9	3.03
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	9	3.03
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	9	3.03
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	9	3.03
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	9	3.03
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	9	3.03
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	9	3.03
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	17	3.03
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	13	3.03
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	10	3.02
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	11	3.02
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	19	3.02
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	18	3.02
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	18	3.02
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	5	3.02
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	5	3.02
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	2	3.02
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	18	3.02
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	18	3.02
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	18	3.02
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	1	3.02
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	1	3.02
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	1	3.02
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	5	3.02
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	11	3.01
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	20	3.01
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	1	3.01
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	14	3.0
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	9	3.0
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	9	3.0
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	10	2.99
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	10	2.99
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	10	2.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	10	2.99
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	10	2.99
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	10	2.99
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	10	2.99
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	10	2.99
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	10	2.99
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	18	2.99
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	18	2.99
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	18	2.99
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	8	2.99
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	8	2.99
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	9	2.98
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	3	2.98
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	3	2.98
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	6	2.97
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	6	2.97
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	6	2.97
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	15	2.97
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	15	2.97
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	1	2.97
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	17	2.96
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	17	2.96
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	3	2.96
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	2	2.96
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	16	2.96
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	3	2.96
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	18	2.95
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	19	2.94
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	19	2.94
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	19	2.94
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	19	2.94
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	19	2.94
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	19	2.94
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	19	2.94
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	19	2.94
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	19	2.94
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	20	2.94
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	14	2.94
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	14	2.94
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	14	2.94
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	14	2.94
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	14	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	9	2.94
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	9	2.94
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	9	2.94
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	14	2.94
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	14	2.94
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	14	2.94
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	7	2.93
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	8	2.93
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	8	2.93
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	4	2.93
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	8	2.92
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	13	2.92
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	13	2.92
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	13	2.92
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	13	2.92
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	13	2.92
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	13	2.92
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	13	2.92
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	13	2.92
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	13	2.92
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	13	2.92
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	13	2.92
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	13	2.92
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	13	2.92
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	13	2.92
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	13	2.92
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	14	2.92
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	14	2.92
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	14	2.92
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	9	2.92
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	9	2.92
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	16	2.91
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	16	2.91
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	16	2.91
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	14	2.91
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	14	2.91
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	9	2.91
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	9	2.9
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	9	2.9
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	9	2.9
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	9	2.9
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	9	2.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	9	2.9
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	20	2.9
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	20	2.9
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	20	2.9
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	20	2.89
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	20	2.89
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	20	2.89
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	20	2.89
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	20	2.89
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	20	2.89
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	14	2.89
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	14	2.89
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	10	2.89
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	7	2.89
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	16	2.89
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	16	2.89
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	16	2.89
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	6	2.88
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	18	2.88
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	18	2.88
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	18	2.88
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	12	2.88
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	9	2.88
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	9	2.88
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	9	2.88
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	4	2.87
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	4	2.87
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	15	2.87
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	15	2.87
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	17	2.87
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	17	2.87
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	17	2.87
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	13	2.87
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	19	2.87
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	6	2.86
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	6	2.86
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	6	2.86
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	6	2.86
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	6	2.86
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	6	2.86
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	11	2.86
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	7	2.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	7	2.86
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	7	2.86
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	7	2.86
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	7	2.86
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	7	2.86
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	7	2.86
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	7	2.86
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	7	2.86
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	12	2.86
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	6	2.86
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	4	2.86
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	4	2.86
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	4	2.86
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	16	2.85
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	16	2.85
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	16	2.85
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	16	2.85
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	16	2.85
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	16	2.85
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	17	2.85
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	17	2.85
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	17	2.85
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	17	2.85
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	17	2.85
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	17	2.85
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	9	2.85
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	9	2.85
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	9	2.85
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	17	2.85
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	17	2.85
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	17	2.85
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	2	2.84
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	2	2.84
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	2	2.84
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	2	2.84
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	2	2.84
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	2	2.84
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	14	2.84
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	14	2.84
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	9	2.84
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	9	2.84
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	9	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	9	2.84
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	9	2.84
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	20	2.84
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	20	2.84
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	20	2.84
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	14	2.83
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	14	2.83
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	14	2.83
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	14	2.83
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	14	2.83
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	14	2.83
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	14	2.83
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	14	2.83
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	14	2.83
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	14	2.83
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	12	2.83
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	12	2.83
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	9	2.83
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	7	2.83
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	7	2.83
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	7	2.83
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	14	2.82
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	5	2.81
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	5	2.81
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	5	2.81
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	5	2.81
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	5	2.81
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	5	2.81
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	7	2.81
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	16	2.81
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	14	2.81
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	14	2.81
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	15	2.81
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	15	2.81
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	15	2.81
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	19	2.81
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	19	2.81
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	19	2.81
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	1	2.81
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	1	2.81
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	1	2.81
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	16	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	16	2.81
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	16	2.81
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	6	2.81
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	18	2.8
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	18	2.8
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	12	2.8
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	12	2.8
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	12	2.8
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	1	2.79
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	1	2.79
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	1	2.79
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	1	2.79
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	1	2.79
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	1	2.79
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	20	2.79
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	14	2.79
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	12	2.79
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	12	2.79
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	11	2.79
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	3	2.78
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	3	2.78
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	3	2.78
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	3	2.78
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	3	2.78
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	3	2.78
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	17	2.78
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	2	2.78
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	2	2.78
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	4	2.78
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	8	2.77
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	12	2.77
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	12	2.77
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	12	2.77
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	12	2.77
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	12	2.77
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	12	2.77
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	12	2.77
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	12	2.77
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	12	2.77
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	18	2.77
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	18	2.77
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	18	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	18	2.77
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	18	2.77
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	18	2.77
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	18	2.77
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	18	2.77
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	18	2.77
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG21	14	2.77
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG22	14	2.77
(1,1048)	1:104:A:ALA:HA	1:128:A:ILE:HG23	14	2.77
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	8	2.77
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	8	2.77
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	8	2.77
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	8	2.77
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	8	2.77
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	8	2.77
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	2	2.77
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	2	2.77
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	16	2.77
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	16	2.77
(1,1199)	1:130:A:ARG:H	1:131:A:ILE:HB	19	2.76
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	9	2.76
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	17	2.76
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	13	2.76
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	4	2.76
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	5	2.76
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	11	2.76
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	11	2.76
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	19	2.76
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	19	2.76
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	19	2.76
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	3	2.75
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	18	2.75
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	5	2.75
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	5	2.75
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	5	2.75
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	5	2.75
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	5	2.75
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	5	2.75
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	5	2.75
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	5	2.75
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	5	2.75
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	12	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	6	2.75
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	6	2.75
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	1	2.75
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	1	2.75
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	1	2.75
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	17	2.75
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	17	2.75
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	13	2.74
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	8	2.74
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	8	2.74
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	8	2.74
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	15	2.74
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	5	2.74
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	5	2.74
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	5	2.74
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	10	2.74
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	2	2.73
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	2	2.73
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	10	2.73
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	10	2.73
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	4	2.73
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	4	2.73
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	4	2.73
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	4	2.73
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	16	2.73
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	6	2.73
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	11	2.73
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	17	2.73
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	20	2.73
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	16	2.73
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	1	2.72
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	13	2.72
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	20	2.72
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	20	2.72
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	20	2.72
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	20	2.72
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	20	2.72
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	20	2.72
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	20	2.72
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	20	2.72
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	20	2.72
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	20	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	9	2.72
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	13	2.72
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	13	2.72
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	3	2.72
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	3	2.72
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	3	2.72
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	3	2.71
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	11	2.71
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	11	2.71
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	18	2.71
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	1	2.7
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	1	2.7
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	5	2.7
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	5	2.7
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	15	2.7
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	15	2.7
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	19	2.7
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	19	2.7
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	16	2.7
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	10	2.7
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	1	2.7
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	1	2.7
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	1	2.7
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	1	2.7
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	1	2.7
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	1	2.7
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	1	2.7
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	1	2.7
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	1	2.7
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	11	2.7
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	11	2.7
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	11	2.7
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	2	2.69
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	15	2.69
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	15	2.69
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	15	2.69
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	15	2.69
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	15	2.69
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	15	2.69
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	15	2.69
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	15	2.69
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	15	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	16	2.69
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	16	2.69
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	13	2.69
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	13	2.69
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	15	2.69
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	15	2.69
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	14	2.69
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	14	2.69
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	14	2.69
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	1	2.68
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	17	2.68
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	5	2.68
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	11	2.68
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	7	2.67
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	9	2.67
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	18	2.67
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	4	2.67
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	4	2.67
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	4	2.67
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	4	2.67
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	4	2.67
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	4	2.67
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	6	2.67
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	19	2.67
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	8	2.67
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	10	2.67
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	10	2.67
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	5	2.67
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	5	2.67
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	5	2.67
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	10	2.67
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	10	2.67
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	10	2.67
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	6	2.67
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	6	2.67
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	6	2.67
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	10	2.66
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	20	2.66
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	7	2.66
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	7	2.66
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	16	2.66
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	16	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	14	2.66
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	14	2.66
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	14	2.66
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	7	2.66
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	6	2.66
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	6	2.66
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	6	2.66
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	6	2.66
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	6	2.66
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	6	2.66
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	8	2.66
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	15	2.66
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	15	2.66
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	5	2.66
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	12	2.66
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	17	2.66
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	17	2.66
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	6	2.65
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	9	2.65
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	17	2.65
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	17	2.65
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	17	2.65
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	17	2.65
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	17	2.65
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	17	2.65
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	17	2.65
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	17	2.65
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	17	2.65
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	7	2.65
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	1	2.65
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	1	2.65
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	10	2.65
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	18	2.65
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	8	2.65
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	16	2.64
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	18	2.64
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	4	2.64
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	4	2.64
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	3	2.63
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	12	2.63
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	14	2.63
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	1	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	1	2.63
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	9	2.63
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	16	2.63
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	10	2.63
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	10	2.63
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	10	2.63
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	1	2.63
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	1	2.63
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	1	2.63
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	1	2.63
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	1	2.63
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	1	2.63
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	3	2.63
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	3	2.63
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	2	2.63
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	2	2.63
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	2	2.63
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	2	2.63
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	2	2.63
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	8	2.63
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	18	2.63
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	17	2.63
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	17	2.63
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	17	2.63
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	11	2.63
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	19	2.63
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	9	2.63
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	9	2.63
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	9	2.63
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	6	2.62
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	13	2.62
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	17	2.62
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	8	2.62
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	8	2.62
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	8	2.62
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	8	2.62
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	8	2.62
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	8	2.62
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	7	2.62
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	7	2.62
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	7	2.62
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	2	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	10	2.62
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	13	2.62
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	7	2.62
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	5	2.62
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	20	2.62
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	14	2.62
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	14	2.62
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	1	2.61
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	2	2.61
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	14	2.61
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	7	2.61
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	9	2.61
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	9	2.61
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	17	2.61
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	9	2.61
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	6	2.61
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	6	2.61
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	6	2.61
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	7	2.61
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	19	2.61
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	13	2.61
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	16	2.61
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	17	2.61
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	14	2.61
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	14	2.61
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	14	2.61
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	3	2.6
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	4	2.6
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	5	2.6
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	9	2.6
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	19	2.6
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	3	2.6
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	3	2.6
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	3	2.6
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	3	2.6
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	3	2.6
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	3	2.6
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	3	2.6
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	3	2.6
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	3	2.6
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	14	2.6
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	14	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	15	2.6
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	3	2.6
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	1	2.6
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	9	2.6
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	14	2.6
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	20	2.59
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	8	2.59
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	8	2.59
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	8	2.59
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	8	2.59
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	8	2.59
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	8	2.59
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	8	2.59
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	8	2.59
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	8	2.59
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	2	2.59
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	2	2.59
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	2	2.59
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	2	2.59
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	7	2.59
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	17	2.59
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	3	2.59
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	4	2.59
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	6	2.59
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	4	2.58
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	5	2.58
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	5	2.58
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	18	2.58
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	18	2.58
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	9	2.58
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	9	2.58
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	16	2.58
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	15	2.58
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	11	2.57
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	13	2.57
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	15	2.57
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	19	2.57
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	19	2.57
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	19	2.57
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	19	2.57
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	19	2.57
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	19	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	15	2.57
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	10	2.57
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	9	2.57
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	16	2.57
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	16	2.57
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	16	2.57
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	8	2.57
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	19	2.56
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	17	2.56
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	17	2.56
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	17	2.56
(1,1156)	1:124:A:SER:H	1:125:A:VAL:HA	12	2.56
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	1	2.56
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	11	2.56
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	19	2.56
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	19	2.56
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	19	2.56
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	11	2.56
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	6	2.56
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	6	2.56
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	6	2.55
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	16	2.54
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	12	2.54
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	12	2.54
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	12	2.54
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	12	2.54
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	12	2.54
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	12	2.54
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	3	2.54
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	14	2.54
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	7	2.54
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	2	2.53
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	10	2.53
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	11	2.53
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	12	2.53
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	7	2.53
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	7	2.53
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	7	2.53
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	7	2.53
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	7	2.53
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	7	2.53
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	12	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	12	2.53
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	12	2.53
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	12	2.53
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	12	2.53
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	12	2.53
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	18	2.53
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	18	2.53
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	5	2.53
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	12	2.53
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	18	2.52
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	12	2.52
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	6	2.52
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	8	2.52
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	7	2.52
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	8	2.51
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	7	2.51
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	1	2.51
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	1	2.51
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	1	2.51
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	15	2.51
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	15	2.51
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	15	2.51
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	16	2.51
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	16	2.51
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	20	2.51
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	20	2.51
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	14	2.5
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	19	2.5
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	3	2.5
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	5	2.5
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	5	2.5
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	5	2.5
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	13	2.5
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	13	2.5
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	16	2.5
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	17	2.5
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	12	2.5
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	16	2.49
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	20	2.49
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	8	2.49
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	8	2.49
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	15	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	15	2.49
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	15	2.49
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	19	2.49
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	19	2.49
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	18	2.49
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	4	2.49
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	4	2.49
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	4	2.49
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	14	2.49
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	14	2.48
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	14	2.48
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	14	2.48
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	14	2.48
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	14	2.48
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	14	2.48
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	11	2.48
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	11	2.48
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	11	2.48
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	11	2.48
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	11	2.48
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	11	2.48
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	16	2.48
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	16	2.48
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	16	2.48
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	16	2.48
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	16	2.48
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	16	2.48
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	3	2.48
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	5	2.48
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	6	2.48
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	6	2.48
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	15	2.47
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	12	2.47
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	12	2.47
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	9	2.47
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	15	2.47
(1,754)	1:37:A:LEU:HG	1:42:A:VAL:H	5	2.47
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	3	2.47
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	3	2.47
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	4	2.46
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	5	2.46
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	5	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	5	2.46
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	5	2.46
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	5	2.46
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	5	2.46
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	8	2.46
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	8	2.46
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	11	2.46
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	5	2.46
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	5	2.46
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	17	2.45
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	17	2.45
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	18	2.45
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	18	2.45
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	10	2.45
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	10	2.45
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	10	2.45
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	18	2.45
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	10	2.45
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	4	2.45
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	4	2.45
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	4	2.45
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	5	2.44
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	5	2.44
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	18	2.44
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	9	2.44
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	9	2.44
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	9	2.44
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	4	2.43
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	4	2.43
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	8	2.43
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	8	2.43
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	12	2.43
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	12	2.43
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	12	2.43
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	14	2.43
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	16	2.43
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	16	2.43
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	16	2.43
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	16	2.43
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	16	2.43
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	16	2.43
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	16	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	16	2.43
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	16	2.43
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	16	2.43
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	16	2.43
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	10	2.42
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	14	2.42
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	14	2.42
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	14	2.42
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	12	2.42
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	12	2.42
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	1	2.41
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	18	2.41
(1,1237)	1:136:A:VAL:HB	1:137:A:GLN:H	7	2.4
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	16	2.4
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	16	2.4
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	12	2.4
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	5	2.39
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	5	2.39
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	5	2.39
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	5	2.39
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	5	2.39
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	5	2.39
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	18	2.39
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	18	2.39
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	18	2.39
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	8	2.39
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	13	2.39
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	13	2.39
(1,794)	1:47:A:ILE:HD11	1:48:A:SER:H	12	2.39
(1,794)	1:47:A:ILE:HD12	1:48:A:SER:H	12	2.39
(1,794)	1:47:A:ILE:HD13	1:48:A:SER:H	12	2.39
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	5	2.38
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	5	2.38
(1,1101)	1:111:A:LEU:HG	1:112:A:LEU:H	5	2.38
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	6	2.38
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	6	2.38
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	6	2.38
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	6	2.38
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	6	2.38
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	6	2.38
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	6	2.38
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	6	2.38
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	2	2.38
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	2	2.38
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	2	2.38
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	18	2.38
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	18	2.38
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	16	2.37
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	16	2.37
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	2	2.37
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	2	2.37
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	2	2.37
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	2	2.37
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	2	2.37
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	2	2.37
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	1	2.37
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	1	2.37
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	20	2.37
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	20	2.37
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	20	2.37
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	17	2.37
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	17	2.37
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	19	2.37
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	3	2.37
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	15	2.37
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	11	2.37
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	11	2.37
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	19	2.37
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	19	2.37
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	2	2.36
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	2	2.36
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	8	2.36
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	8	2.36
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	8	2.36
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	6	2.36
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	6	2.36
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	9	2.36
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	9	2.36
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	16	2.36
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	16	2.36
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	14	2.36
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	14	2.36
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	11	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	11	2.36
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	1	2.35
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	1	2.35
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	1	2.35
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	1	2.35
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	1	2.35
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	1	2.35
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	15	2.35
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	16	2.35
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	16	2.35
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	16	2.35
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	16	2.35
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	16	2.35
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	16	2.35
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	11	2.35
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	4	2.35
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	4	2.35
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	12	2.35
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	12	2.35
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	4	2.35
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	14	2.35
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	16	2.35
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	16	2.35
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	16	2.35
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	14	2.35
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	14	2.35
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	14	2.35
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	9	2.35
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	9	2.35
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	4	2.34
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	4	2.34
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	4	2.34
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	4	2.34
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	4	2.34
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	4	2.34
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	8	2.34
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	8	2.34
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	2	2.34
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	2	2.34
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	3	2.34
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	3	2.34
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	3	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	9	2.34
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	9	2.34
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	9	2.34
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	9	2.34
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	19	2.34
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	1	2.33
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	1	2.33
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	1	2.33
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	18	2.33
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	18	2.33
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	18	2.33
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	9	2.33
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	5	2.33
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	5	2.33
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	19	2.32
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	19	2.32
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	4	2.32
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	4	2.32
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	4	2.32
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	13	2.32
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	13	2.32
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	13	2.32
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	19	2.32
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	19	2.32
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	19	2.32
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	1	2.32
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	11	2.32
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	11	2.32
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	11	2.32
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	11	2.32
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	11	2.32
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	11	2.32
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	19	2.32
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	19	2.32
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	19	2.32
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	19	2.32
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	19	2.32
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	19	2.32
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	14	2.32
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	14	2.32
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	15	2.32
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	18	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	18	2.32
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	1	2.32
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	16	2.32
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	6	2.32
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	2	2.32
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	2	2.32
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	3	2.32
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	3	2.32
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG21	2	2.31
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG22	2	2.31
(1,1051)	1:104:A:ALA:HB1	1:128:A:ILE:HG23	2	2.31
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG21	2	2.31
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG22	2	2.31
(1,1051)	1:104:A:ALA:HB2	1:128:A:ILE:HG23	2	2.31
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG21	2	2.31
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG22	2	2.31
(1,1051)	1:104:A:ALA:HB3	1:128:A:ILE:HG23	2	2.31
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	16	2.31
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	16	2.31
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	16	2.31
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	5	2.31
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	5	2.31
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	11	2.31
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	11	2.31
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	6	2.31
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	6	2.31
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	2	2.31
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	2	2.31
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	2	2.31
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	15	2.31
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	19	2.31
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	4	2.31
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	4	2.31
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	7	2.31
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	7	2.31
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	7	2.31
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	19	2.3
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	19	2.3
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	2	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	2	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	2	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	2	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	5	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	5	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	5	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	15	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	15	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	15	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	16	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	16	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	16	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	20	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	20	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	20	2.3
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	7	2.3
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	7	2.3
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	9	2.3
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	9	2.3
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	8	2.29
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	8	2.29
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	8	2.29
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	10	2.29
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	10	2.29
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	10	2.29
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	12	2.29
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	12	2.29
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	12	2.29
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	6	2.29
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	6	2.29
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	6	2.29
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	12	2.29
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	12	2.29
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	4	2.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	8	2.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	8	2.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	8	2.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	10	2.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	10	2.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	10	2.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	15	2.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	15	2.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	15	2.29
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	17	2.29
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	17	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	15	2.29
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	15	2.29
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	15	2.29
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	8	2.29
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	8	2.29
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	3	2.28
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	3	2.28
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	3	2.28
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	14	2.28
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	14	2.28
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	14	2.28
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	15	2.28
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	20	2.28
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	20	2.28
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	14	2.28
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	14	2.28
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	7	2.28
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	7	2.28
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	13	2.28
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	13	2.28
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	13	2.28
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	15	2.28
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	15	2.28
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	19	2.28
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	19	2.28
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	7	2.27
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	7	2.27
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	7	2.27
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	17	2.27
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	17	2.27
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	17	2.27
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	17	2.27
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	4	2.27
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	4	2.27
(1,781)	1:46:A:ASP:H	1:47:A:ILE:HB	1	2.27
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	20	2.27
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	20	2.27
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	20	2.27
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	1	2.27
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	1	2.27
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	4	2.27
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	3	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	3	2.26
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	11	2.26
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	11	2.26
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	9	2.26
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	9	2.26
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	9	2.26
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	19	2.26
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	7	2.26
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	7	2.26
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	7	2.26
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	3	2.26
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	3	2.26
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	8	2.26
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	8	2.26
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	8	2.26
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	8	2.26
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	15	2.26
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	15	2.26
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	15	2.26
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	19	2.26
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	19	2.26
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	19	2.26
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	6	2.25
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	6	2.25
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	2	2.25
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	13	2.25
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	3	2.25
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	3	2.25
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	1	2.25
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	16	2.25
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	4	2.25
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	4	2.25
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	13	2.24
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	13	2.24
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	13	2.24
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	13	2.24
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	13	2.24
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	13	2.24
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	1	2.24
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	1	2.24
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	9	2.24
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	5	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	5	2.24
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	16	2.24
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	16	2.24
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	16	2.24
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	13	2.24
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	13	2.24
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	11	2.23
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	11	2.23
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	8	2.23
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	8	2.23
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	8	2.23
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	13	2.23
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	13	2.23
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	13	2.23
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	13	2.23
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	15	2.23
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	15	2.23
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	15	2.23
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	3	2.23
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	11	2.23
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	11	2.23
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	7	2.22
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	7	2.22
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	7	2.22
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	7	2.22
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	7	2.22
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	7	2.22
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	17	2.22
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	10	2.22
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	10	2.22
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	8	2.22
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	8	2.22
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	8	2.22
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	6	2.22
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	6	2.22
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	10	2.22
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	10	2.22
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	10	2.22
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	16	2.21
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	16	2.21
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	10	2.21
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	10	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	10	2.21
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	10	2.21
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	10	2.21
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	10	2.21
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	18	2.21
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	3	2.21
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	12	2.21
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	2	2.21
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	2	2.21
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	9	2.2
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	9	2.2
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	9	2.2
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	9	2.2
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	9	2.2
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	9	2.2
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	12	2.2
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	14	2.2
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	20	2.2
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	12	2.2
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	12	2.2
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	7	2.2
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	6	2.19
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	6	2.19
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	6	2.19
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	6	2.19
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	6	2.19
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	6	2.19
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	3	2.19
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	17	2.19
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	17	2.19
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	17	2.19
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	4	2.19
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	8	2.19
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	19	2.19
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	19	2.19
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	1	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	1	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	1	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	1	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	1	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	1	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	3	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	3	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	3	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	3	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	3	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	3	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	9	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	9	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	9	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	9	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	9	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	9	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	18	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	18	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	18	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	18	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	18	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	18	2.18
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	10	2.18
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	10	2.18
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	10	2.18
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	10	2.18
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	10	2.18
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	10	2.18
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	10	2.18
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	10	2.18
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	10	2.18
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	19	2.18
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	19	2.18
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	5	2.18
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	5	2.18
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	10	2.18
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	12	2.17
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	12	2.17
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	12	2.17
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	12	2.17
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	12	2.17
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	12	2.17
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	2	2.17
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	2	2.17
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	2	2.17
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	2	2.17
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	2	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	2	2.17
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	8	2.17
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	13	2.17
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	13	2.17
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	2	2.17
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	2	2.17
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	3	2.17
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	10	2.17
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	10	2.17
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	17	2.16
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	17	2.16
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	17	2.16
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	17	2.16
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	17	2.16
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	17	2.16
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	17	2.16
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	18	2.16
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	3	2.16
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	3	2.16
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	3	2.16
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	5	2.16
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	5	2.16
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	5	2.16
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	2	2.16
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	5	2.16
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	3	2.16
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	18	2.16
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	19	2.16
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	19	2.16
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	8	2.15
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	8	2.15
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	8	2.15
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	8	2.15
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	16	2.15
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	12	2.15
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	11	2.15
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	11	2.15
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	11	2.15
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	11	2.15
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	15	2.15
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	15	2.15
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	15	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	15	2.15
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	15	2.15
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	15	2.15
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	8	2.15
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	17	2.15
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	2	2.15
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	2	2.15
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	15	2.15
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	15	2.15
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	5	2.15
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	5	2.15
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	5	2.15
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	2	2.15
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	10	2.15
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	13	2.15
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	13	2.15
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	18	2.14
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	8	2.14
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	8	2.14
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	8	2.14
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	8	2.14
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	19	2.14
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	19	2.14
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	19	2.14
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	19	2.14
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	3	2.14
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	3	2.14
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	17	2.14
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	20	2.14
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	8	2.14
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	15	2.14
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	15	2.14
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	10	2.13
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	10	2.13
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	10	2.13
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	2	2.13
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	2	2.13
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	2	2.13
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	12	2.13
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	12	2.13
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	12	2.13
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	19	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	10	2.13
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	4	2.13
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	4	2.13
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	15	2.13
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	15	2.13
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	2	2.13
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	16	2.13
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	19	2.13
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	19	2.13
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	4	2.13
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	12	2.13
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	2	2.13
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	2	2.13
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	18	2.12
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	18	2.12
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	18	2.12
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	18	2.12
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	18	2.12
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	18	2.12
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	19	2.12
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	19	2.12
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	19	2.12
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	13	2.12
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	14	2.12
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	14	2.12
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	14	2.12
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	14	2.12
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	1	2.12
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	1	2.12
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	10	2.12
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	10	2.12
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	14	2.12
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	18	2.12
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	14	2.12
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	14	2.12
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	20	2.11
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	20	2.11
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	16	2.11
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	16	2.11
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	16	2.11
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	20	2.11
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	20	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	20	2.11
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	10	2.11
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	10	2.11
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	10	2.11
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	10	2.11
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	5	2.11
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	13	2.11
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	20	2.11
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	10	2.11
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	10	2.11
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	9	2.11
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	9	2.11
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	1	2.1
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	1	2.1
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	1	2.1
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	4	2.1
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	4	2.1
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	4	2.1
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	11	2.1
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	11	2.1
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	11	2.1
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	18	2.1
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	18	2.1
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	18	2.1
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	8	2.1
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	6	2.1
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	6	2.1
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	14	2.1
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	14	2.1
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	19	2.1
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	10	2.1
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	10	2.1
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	10	2.1
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	18	2.1
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	1	2.1
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	1	2.1
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	18	2.1
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	18	2.1
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	3	2.1
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	17	2.1
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	17	2.1
(1,736)	1:34:A:ILE:HG21	1:62:A:LEU:H	6	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,736)	1:34:A:ILE:HG22	1:62:A:LEU:H	6	2.1
(1,736)	1:34:A:ILE:HG23	1:62:A:LEU:H	6	2.1
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	5	2.1
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	5	2.1
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	5	2.1
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	19	2.1
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	19	2.1
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	15	2.09
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	15	2.09
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	13	2.09
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	13	2.09
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	13	2.09
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	6	2.09
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	8	2.09
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	16	2.09
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	16	2.09
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	16	2.09
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	16	2.09
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	7	2.09
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	7	2.09
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	9	2.09
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	9	2.09
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	9	2.09
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	6	2.09
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	5	2.09
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	11	2.09
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	1	2.09
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	1	2.09
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	8	2.08
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	8	2.08
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	8	2.08
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	8	2.08
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	8	2.08
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	8	2.08
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	14	2.08
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	15	2.08
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	1	2.08
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	4	2.08
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	20	2.08
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	10	2.08
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	10	2.08
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	10	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	14	2.08
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	14	2.08
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	9	2.08
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	1	2.07
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	1	2.07
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	2	2.07
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	5	2.07
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	6	2.07
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	6	2.07
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	6	2.07
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	6	2.07
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	15	2.07
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	15	2.07
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	15	2.07
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	15	2.07
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	9	2.07
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	9	2.07
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	9	2.07
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	12	2.07
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	12	2.07
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	15	2.07
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	15	2.07
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	19	2.07
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	19	2.07
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	19	2.07
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	5	2.07
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	20	2.07
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	7	2.07
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	7	2.07
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	15	2.07
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	15	2.07
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	11	2.07
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	20	2.07
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	18	2.07
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	18	2.07
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	2	2.06
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	2	2.06
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	14	2.06
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	14	2.06
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	1	2.06
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	1	2.06
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	20	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	20	2.06
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	20	2.06
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	19	2.06
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	19	2.06
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	19	2.06
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	13	2.06
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	17	2.06
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	14	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	1	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	1	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	1	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	1	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	2	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	2	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	2	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	2	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	5	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	5	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	5	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	5	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	7	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	7	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	7	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	7	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	18	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	18	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	18	2.06
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	18	2.06
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	6	2.06
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	14	2.06
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	14	2.06
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	13	2.06
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	4	2.06
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	4	2.06
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	4	2.06
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE1	7	2.06
(1,675)	1:20:A:PHE:H	1:20:A:PHE:HE2	7	2.06
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	6	2.06
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	14	2.05
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	14	2.05
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	14	2.05
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	14	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	14	2.05
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	14	2.05
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	13	2.05
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	13	2.05
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	19	2.05
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	19	2.05
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	20	2.05
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	20	2.05
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	11	2.05
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	11	2.05
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	9	2.05
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	9	2.05
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	11	2.05
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	11	2.05
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	9	2.05
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	9	2.05
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	3	2.05
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	3	2.05
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	3	2.05
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	3	2.05
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	3	2.05
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	4	2.05
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	4	2.05
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	1	2.05
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	1	2.05
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	1	2.05
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	1	2.05
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	13	2.05
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	2	2.05
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	2	2.05
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	7	2.05
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	7	2.05
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	2	2.04
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	2	2.04
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	2	2.04
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	2	2.04
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	2	2.04
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	2	2.04
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	16	2.04
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	16	2.04
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	18	2.04
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	18	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	15	2.04
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	15	2.04
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	15	2.04
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	15	2.04
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	15	2.04
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	15	2.04
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	15	2.04
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	15	2.04
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	15	2.04
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	7	2.04
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	10	2.04
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	12	2.04
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	1	2.04
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	1	2.04
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	11	2.04
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	11	2.04
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	16	2.04
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	16	2.04
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	15	2.04
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	15	2.04
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	15	2.04
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	1	2.04
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	3	2.04
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	3	2.04
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	9	2.04
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	9	2.04
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	5	2.04
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	5	2.04
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	7	2.04
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	7	2.04
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	6	2.04
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	6	2.04
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	16	2.03
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	16	2.03
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	16	2.03
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	16	2.03
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	16	2.03
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	16	2.03
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	1	2.03
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	1	2.03
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	10	2.03
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	10	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	19	2.03
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	19	2.03
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	3	2.03
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	11	2.03
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	8	2.03
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	8	2.03
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	13	2.03
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	13	2.03
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	13	2.03
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	13	2.03
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	13	2.03
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	13	2.03
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	18	2.03
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	18	2.03
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	3	2.02
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	3	2.02
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	11	2.02
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	11	2.02
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	11	2.02
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	11	2.02
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	11	2.02
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	11	2.02
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	7	2.02
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	7	2.02
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	7	2.02
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	1	2.02
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	8	2.02
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	4	2.02
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	11	2.02
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	19	2.02
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	20	2.02
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	18	2.02
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	18	2.02
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	14	2.02
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	14	2.02
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	14	2.02
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	17	2.02
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	17	2.02
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	17	2.02
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	10	2.02
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	19	2.02
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	2	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	2	2.02
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	8	2.02
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	8	2.02
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	7	2.01
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	7	2.01
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	18	2.01
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	18	2.01
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	17	2.01
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	17	2.01
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	12	2.01
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	12	2.01
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	12	2.01
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	16	2.01
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	14	2.01
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	14	2.01
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	14	2.01
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	6	2.01
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	17	2.01
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	3	2.01
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	19	2.01
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	7	2.01
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	7	2.01
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	13	2.01
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	13	2.01
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	10	2.01
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	10	2.01
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	19	2.01
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	2	2.01
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	2	2.01
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	2	2.01
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	2	2.01
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	19	2.0
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	19	2.0
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	19	2.0
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	19	2.0
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	19	2.0
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	19	2.0
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	6	2.0
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	5	2.0
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	5	2.0
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	10	2.0
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	10	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	8	2.0
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	8	2.0
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	8	2.0
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	18	2.0
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	18	2.0
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	18	2.0
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	6	2.0
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	6	2.0
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	18	2.0
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	18	2.0
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	16	2.0
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD2	12	2.0
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD3	12	2.0
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD2	13	2.0
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD3	13	2.0
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	15	2.0
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	8	2.0
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	8	2.0
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	8	2.0
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	14	1.99
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	14	1.99
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	15	1.99
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	7	1.99
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	7	1.99
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	7	1.99
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	7	1.99
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	7	1.99
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	7	1.99
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	5	1.99
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	17	1.99
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	8	1.99
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG2	10	1.99
(1,897)	1:67:A:GLU:H	1:72:A:ARG:HG3	10	1.99
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	2	1.99
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	19	1.99
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	20	1.99
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	20	1.99
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	4	1.99
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	4	1.99
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	4	1.99
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	12	1.99
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	12	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	12	1.99
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	12	1.99
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	12	1.99
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	12	1.99
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	4	1.98
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	4	1.98
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	4	1.98
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	4	1.98
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	4	1.98
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	4	1.98
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	15	1.98
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	15	1.98
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	15	1.98
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	15	1.98
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	15	1.98
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	15	1.98
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	20	1.98
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	20	1.98
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	9	1.98
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	9	1.98
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	9	1.98
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	17	1.98
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	11	1.98
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	2	1.98
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	2	1.98
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	17	1.98
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	17	1.98
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	19	1.98
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	19	1.98
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	16	1.98
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	16	1.98
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	6	1.98
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	3	1.98
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	3	1.98
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	16	1.98
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	16	1.98
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	3	1.98
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	3	1.98
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	3	1.98
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	4	1.97
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	4	1.97
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	14	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	11	1.97
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	11	1.97
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	11	1.97
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	5	1.97
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	5	1.97
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	3	1.97
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	3	1.97
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	3	1.97
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	16	1.97
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	16	1.97
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	16	1.97
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	3	1.97
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	3	1.97
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	11	1.97
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	11	1.97
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	9	1.97
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	18	1.97
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	18	1.97
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	18	1.97
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	3	1.97
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	3	1.97
(1,815)	1:51:A:LEU:H	1:51:A:LEU:HG	15	1.97
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	4	1.97
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	4	1.97
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	3	1.97
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	10	1.97
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	7	1.97
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	7	1.97
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	7	1.97
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	20	1.96
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD2	6	1.96
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD3	6	1.96
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	18	1.96
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	18	1.96
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	18	1.96
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	2	1.95
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	2	1.95
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	10	1.95
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	10	1.95
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	11	1.95
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	11	1.95
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	11	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	13	1.95
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	7	1.95
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	7	1.95
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	7	1.95
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	7	1.95
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	7	1.95
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	7	1.95
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	15	1.95
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	7	1.95
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	7	1.95
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	12	1.95
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	12	1.95
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	5	1.95
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	5	1.95
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	5	1.95
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	9	1.95
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	9	1.95
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	9	1.95
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	20	1.95
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	20	1.95
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	20	1.95
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	17	1.94
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	17	1.94
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	6	1.94
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	6	1.94
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	6	1.94
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	8	1.94
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	8	1.94
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	18	1.94
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	18	1.94
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	18	1.94
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	17	1.94
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	17	1.94
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	17	1.94
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	17	1.94
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	17	1.94
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	17	1.94
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	4	1.94
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	2	1.94
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	4	1.94
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	4	1.94
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	4	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	19	1.94
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	19	1.94
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	19	1.94
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD2	4	1.94
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD3	4	1.94
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	6	1.94
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	6	1.94
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	6	1.94
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	10	1.94
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	10	1.94
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	10	1.94
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	10	1.94
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	10	1.94
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	10	1.94
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	12	1.94
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	14	1.94
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	15	1.94
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	7	1.93
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	7	1.93
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	11	1.93
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	11	1.93
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	11	1.93
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	20	1.93
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	20	1.93
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	20	1.93
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	6	1.93
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	6	1.93
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	6	1.93
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	12	1.93
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	5	1.93
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	5	1.93
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	5	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	1	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	1	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	1	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	2	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	2	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	2	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	8	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	8	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	8	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	11	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	11	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	11	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	15	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	15	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	15	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	19	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	19	1.93
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	19	1.93
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	5	1.92
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	5	1.92
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	9	1.92
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	9	1.92
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	9	1.92
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	15	1.92
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	15	1.92
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	15	1.92
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	7	1.92
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	4	1.92
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	4	1.92
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	4	1.92
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	12	1.92
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	12	1.92
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	12	1.92
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	9	1.92
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	9	1.92
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	9	1.92
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	9	1.92
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	9	1.92
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	9	1.92
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	5	1.92
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	5	1.92
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	5	1.92
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	12	1.92
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	19	1.92
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	20	1.92
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	16	1.92
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	17	1.92
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	14	1.92
(1,870)	1:62:A:LEU:H	1:62:A:LEU:HG	17	1.92
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	1	1.92
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	1	1.92
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	1	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD2	9	1.92
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD3	9	1.92
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	2	1.92
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	2	1.92
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	2	1.92
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	9	1.92
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	9	1.92
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	14	1.91
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	14	1.91
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	10	1.91
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	10	1.91
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	10	1.91
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	10	1.91
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	10	1.91
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	10	1.91
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	3	1.91
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	3	1.91
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	15	1.91
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	15	1.91
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	15	1.91
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	4	1.91
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	4	1.91
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	4	1.91
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	10	1.91
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	10	1.91
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	10	1.91
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	12	1.91
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	12	1.91
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	12	1.91
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	18	1.91
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	18	1.91
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	18	1.91
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	10	1.91
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	10	1.91
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	6	1.91
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	6	1.91
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	6	1.91
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	4	1.91
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	10	1.91
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	10	1.91
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	10	1.91
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	10	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	10	1.91
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	10	1.91
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	11	1.91
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	11	1.91
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	14	1.91
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	14	1.91
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	14	1.91
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	2	1.91
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	2	1.91
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	2	1.91
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	4	1.91
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	4	1.91
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	4	1.91
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	11	1.91
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	11	1.91
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	11	1.91
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	12	1.91
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	12	1.91
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	12	1.91
(1,880)	1:64:A:ARG:H	1:67:A:GLU:HA	9	1.91
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD2	20	1.91
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD3	20	1.91
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	7	1.91
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	7	1.91
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	7	1.91
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	2	1.91
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	2	1.91
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	2	1.91
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	4	1.91
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	4	1.91
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	4	1.91
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	7	1.91
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	7	1.91
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	7	1.91
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	11	1.91
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	11	1.91
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	11	1.91
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	15	1.91
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	15	1.91
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	15	1.91
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	12	1.91
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	5	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	5	1.91
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	5	1.91
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	10	1.91
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	10	1.91
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	10	1.91
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	19	1.91
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	19	1.91
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	19	1.91
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	3	1.91
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	3	1.91
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	12	1.91
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	12	1.91
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	5	1.9
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	10	1.9
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	10	1.9
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	3	1.9
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	3	1.9
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	3	1.9
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	9	1.9
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	9	1.9
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	9	1.9
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	20	1.9
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	20	1.9
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	20	1.9
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	3	1.9
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	3	1.9
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	18	1.9
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	18	1.9
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	11	1.9
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	11	1.9
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	11	1.9
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	8	1.9
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	8	1.9
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	8	1.9
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	2	1.9
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	2	1.9
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	2	1.9
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	16	1.9
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	16	1.9
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	16	1.9
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	9	1.9
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	9	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	9	1.9
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	14	1.9
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	17	1.9
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	7	1.9
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	7	1.9
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	9	1.9
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	16	1.9
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	16	1.9
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	16	1.9
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	13	1.9
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	13	1.9
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	1	1.9
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	1	1.9
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	1	1.9
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	1	1.9
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	14	1.9
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	14	1.9
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	14	1.9
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	16	1.9
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	16	1.9
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	16	1.9
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	17	1.9
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	17	1.9
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	17	1.9
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	1	1.9
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	1	1.9
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	1	1.9
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	5	1.9
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	5	1.9
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	5	1.9
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	12	1.9
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	12	1.9
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	12	1.9
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	5	1.9
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	9	1.9
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	9	1.9
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	9	1.9
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	11	1.9
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	11	1.9
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	11	1.9
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	16	1.9
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	16	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	16	1.9
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	15	1.89
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	15	1.89
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	1	1.89
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	1	1.89
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	1	1.89
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	16	1.89
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	16	1.89
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	16	1.89
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	13	1.89
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	13	1.89
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	13	1.89
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	4	1.89
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	4	1.89
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	4	1.89
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	3	1.89
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	5	1.89
(1,1145)	1:120:A:ASP:H	1:121:A:THR:HA	18	1.89
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	5	1.89
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	5	1.89
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	5	1.89
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	7	1.89
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	7	1.89
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	7	1.89
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	16	1.89
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	16	1.89
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	16	1.89
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD2	20	1.89
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD3	20	1.89
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	6	1.89
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	6	1.89
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	6	1.89
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	9	1.89
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	9	1.89
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	9	1.89
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	10	1.89
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	10	1.89
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	10	1.89
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	16	1.89
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	16	1.89
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	16	1.89
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	20	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	20	1.89
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	20	1.89
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	1	1.89
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	2	1.89
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	2	1.89
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	2	1.89
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	2	1.89
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	20	1.89
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	20	1.89
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	20	1.89
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	13	1.89
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	13	1.89
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	13	1.89
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	18	1.89
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	18	1.89
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	18	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	8	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	8	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	8	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	9	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	9	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	9	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	13	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	13	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	13	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	14	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	14	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	14	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	20	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	20	1.89
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	20	1.89
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	2	1.89
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	2	1.88
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	2	1.88
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	2	1.88
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	5	1.88
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	5	1.88
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	5	1.88
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	7	1.88
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	7	1.88
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	7	1.88
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	14	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	14	1.88
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	14	1.88
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	8	1.88
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	8	1.88
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	8	1.88
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	7	1.88
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	2	1.88
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	2	1.88
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	2	1.88
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	11	1.88
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	11	1.88
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	11	1.88
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	17	1.88
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	17	1.88
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	17	1.88
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	17	1.88
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	17	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	3	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	3	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	3	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	4	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	4	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	4	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	13	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	13	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	13	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	15	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	15	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	15	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	20	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	20	1.88
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	20	1.88
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	9	1.88
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	9	1.88
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	9	1.88
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	3	1.88
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	3	1.88
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	3	1.88
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	19	1.88
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	19	1.88
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	19	1.88
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	16	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	8	1.87
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	8	1.87
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	4	1.87
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	4	1.87
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	4	1.87
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	13	1.87
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	13	1.87
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	13	1.87
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	17	1.87
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	17	1.87
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	17	1.87
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	9	1.87
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	9	1.87
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	9	1.87
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	13	1.87
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	13	1.87
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	13	1.87
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	9	1.87
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	9	1.87
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	9	1.87
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	10	1.87
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	10	1.87
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	10	1.87
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	6	1.87
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	6	1.87
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	8	1.87
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	8	1.87
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	8	1.87
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	12	1.87
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	12	1.87
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	12	1.87
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	15	1.87
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	15	1.87
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	15	1.87
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	19	1.87
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	19	1.87
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	19	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	1	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	1	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	1	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	2	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	2	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	2	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	11	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	11	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	11	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	12	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	12	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	12	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	14	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	14	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	14	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	17	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	17	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	17	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	19	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	19	1.87
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	19	1.87
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	5	1.87
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	5	1.87
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	5	1.87
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	13	1.87
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	13	1.87
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	13	1.87
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	3	1.87
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	18	1.87
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	11	1.87
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	11	1.87
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	11	1.87
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	14	1.87
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	14	1.87
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	14	1.87
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	17	1.87
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	17	1.87
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	17	1.87
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	10	1.87
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	10	1.87
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	10	1.87
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	10	1.87
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	6	1.87
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	6	1.87
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	6	1.87
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	6	1.87
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	6	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	6	1.87
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	6	1.87
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	6	1.87
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	6	1.87
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	8	1.87
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	8	1.87
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	8	1.87
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	12	1.87
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	12	1.87
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	12	1.87
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	17	1.87
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	17	1.87
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	17	1.87
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	15	1.87
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	19	1.86
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	19	1.86
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	7	1.86
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	7	1.86
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	6	1.86
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	6	1.86
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	6	1.86
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	8	1.86
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	8	1.86
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	8	1.86
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	12	1.86
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	12	1.86
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	12	1.86
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	16	1.86
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	16	1.86
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	16	1.86
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	17	1.86
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	17	1.86
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	17	1.86
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	5	1.86
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	19	1.86
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	19	1.86
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	19	1.86
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	4	1.86
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	4	1.86
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	4	1.86
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	7	1.86
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	7	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	7	1.86
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	3	1.86
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	13	1.86
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	7	1.86
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	7	1.86
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	7	1.86
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	8	1.86
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	8	1.86
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	8	1.86
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG21	18	1.86
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG22	18	1.86
(1,924)	1:76:A:ILE:H	1:76:A:ILE:HG23	18	1.86
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	13	1.86
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	13	1.86
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	6	1.86
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	6	1.86
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	6	1.86
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	5	1.86
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	5	1.86
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	13	1.86
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	13	1.86
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	14	1.86
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	14	1.86
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	17	1.86
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	17	1.86
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	17	1.86
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	4	1.86
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	1	1.86
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	1	1.86
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	1	1.86
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	3	1.86
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	3	1.86
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	3	1.86
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	4	1.86
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	4	1.86
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	4	1.86
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	7	1.86
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	7	1.86
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	7	1.86
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	14	1.86
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	14	1.86
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	14	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	1	1.85
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	1	1.85
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	18	1.85
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	18	1.85
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	12	1.85
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	12	1.85
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	10	1.85
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	10	1.85
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	10	1.85
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	11	1.85
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	11	1.85
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	11	1.85
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	19	1.85
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	19	1.85
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	19	1.85
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	20	1.85
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	20	1.85
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	20	1.85
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	8	1.85
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	8	1.85
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	8	1.85
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	4	1.85
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	4	1.85
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	4	1.85
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	14	1.85
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	14	1.85
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	14	1.85
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	11	1.85
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	11	1.85
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	6	1.85
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	6	1.85
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	6	1.85
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	6	1.85
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	6	1.85
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	6	1.85
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	18	1.85
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	18	1.85
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	18	1.85
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	18	1.85
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	18	1.85
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	18	1.85
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	5	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	5	1.85
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	3	1.85
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	3	1.85
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	3	1.85
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	9	1.85
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	9	1.85
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	9	1.85
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	10	1.85
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	10	1.85
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	10	1.85
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	13	1.85
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	13	1.85
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	13	1.85
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	16	1.85
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	16	1.85
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	16	1.85
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	20	1.85
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	20	1.85
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	1	1.85
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	1	1.85
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	6	1.85
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	6	1.85
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	6	1.85
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	18	1.85
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	18	1.85
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	18	1.85
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	19	1.85
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	19	1.85
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	19	1.85
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD2	16	1.85
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD3	16	1.85
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	3	1.85
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	18	1.85
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	18	1.85
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	18	1.85
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	2	1.85
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	2	1.85
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	2	1.85
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	13	1.85
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	18	1.85
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	18	1.85
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	18	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG11	19	1.84
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG12	19	1.84
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG13	19	1.84
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG21	19	1.84
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG22	19	1.84
(1,1230)	1:135:A:LYS:H	1:136:A:VAL:HG23	19	1.84
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	13	1.84
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	13	1.84
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	3	1.84
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	3	1.84
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	3	1.84
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG21	18	1.84
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG22	18	1.84
(1,1212)	1:132:A:ILE:H	1:132:A:ILE:HG23	18	1.84
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	5	1.84
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	5	1.84
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	5	1.84
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	14	1.84
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	14	1.84
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	14	1.84
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	11	1.84
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	11	1.84
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	11	1.84
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	11	1.84
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	1	1.84
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	1	1.84
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	1	1.84
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	11	1.84
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	11	1.84
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	11	1.84
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	12	1.84
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	12	1.84
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	12	1.84
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	3	1.84
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	3	1.84
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	3	1.84
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	3	1.84
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	3	1.84
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	3	1.84
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	2	1.84
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	2	1.84
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	2	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	2	1.84
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	16	1.84
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	14	1.84
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	3	1.84
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	3	1.84
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	3	1.84
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	4	1.84
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	4	1.84
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	4	1.84
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	5	1.84
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	5	1.84
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	5	1.84
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	7	1.84
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	7	1.84
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	7	1.84
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	8	1.84
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	8	1.84
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	8	1.84
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	8	1.84
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	9	1.84
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	9	1.84
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG21	16	1.84
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG22	16	1.84
(1,788)	1:47:A:ILE:H	1:47:A:ILE:HG23	16	1.84
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	15	1.84
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	15	1.84
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	15	1.84
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	11	1.83
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	11	1.83
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	11	1.83
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	11	1.83
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	11	1.83
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	11	1.83
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	2	1.83
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	2	1.83
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	2	1.83
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	7	1.83
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	19	1.83
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	19	1.83
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	19	1.83
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	14	1.83
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	14	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	14	1.83
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	10	1.83
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	16	1.83
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	20	1.83
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	20	1.83
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	15	1.83
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	15	1.83
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	15	1.83
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	10	1.83
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	10	1.83
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	7	1.83
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	7	1.83
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	7	1.83
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	7	1.83
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	7	1.83
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	7	1.83
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	8	1.83
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	8	1.83
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	8	1.83
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	8	1.83
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	8	1.83
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	8	1.83
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	12	1.83
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	12	1.83
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	12	1.83
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	11	1.83
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	11	1.83
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	18	1.83
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	13	1.83
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	13	1.83
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	13	1.83
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG21	20	1.83
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG22	20	1.83
(1,728)	1:34:A:ILE:H	1:34:A:ILE:HG23	20	1.83
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	6	1.82
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	6	1.82
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	1	1.82
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	1	1.82
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	1	1.82
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	6	1.82
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	6	1.82
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	6	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	7	1.82
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	7	1.82
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	7	1.82
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	15	1.82
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	15	1.82
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	15	1.82
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	16	1.82
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	18	1.82
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	18	1.82
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	18	1.82
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	6	1.82
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	6	1.82
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	6	1.82
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	13	1.82
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	13	1.82
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	13	1.82
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	18	1.82
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	18	1.82
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	18	1.82
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	1	1.82
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	1	1.82
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	1	1.82
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	19	1.82
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	4	1.82
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	15	1.82
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	15	1.82
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	15	1.82
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	15	1.82
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	15	1.82
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	20	1.82
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	20	1.82
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	2	1.82
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	16	1.82
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	19	1.82
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	4	1.82
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	13	1.82
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	13	1.82
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	20	1.81
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	20	1.81
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD2	16	1.81
(1,1214)	1:132:A:ILE:H	1:135:A:LYS:HD3	16	1.81
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	2	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	2	1.81
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	2	1.81
(1,1147)	1:120:A:ASP:H	1:122:A:VAL:H	12	1.81
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	6	1.81
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	6	1.81
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	1	1.81
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	1	1.81
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	1	1.81
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	2	1.81
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	2	1.81
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	2	1.81
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	7	1.81
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	7	1.81
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	12	1.81
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	12	1.81
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	9	1.81
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	14	1.8
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	14	1.8
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	14	1.8
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	17	1.8
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	17	1.8
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	17	1.8
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	20	1.8
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	20	1.8
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	20	1.8
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	2	1.8
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	2	1.8
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	2	1.8
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	3	1.8
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	3	1.8
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	1	1.8
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	1	1.8
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	1	1.8
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	1	1.8
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	1	1.8
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	1	1.8
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	9	1.8
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	18	1.8
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	18	1.8
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	6	1.8
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	13	1.79
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	10	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	10	1.79
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	19	1.79
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	19	1.79
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	19	1.79
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	10	1.79
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	10	1.79
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	10	1.79
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	10	1.79
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	10	1.79
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	10	1.79
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	13	1.79
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	13	1.79
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	13	1.79
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	18	1.79
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	18	1.79
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	18	1.79
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	18	1.79
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	18	1.79
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	17	1.79
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	17	1.79
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	17	1.79
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	1	1.79
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	1	1.79
(1,891)	1:65:A:TYR:HA	1:65:A:TYR:HD2	4	1.79
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	6	1.79
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	6	1.79
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	11	1.79
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	11	1.79
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	11	1.79
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	11	1.79
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	11	1.79
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	11	1.79
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	11	1.79
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	11	1.79
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	11	1.79
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	1	1.79
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	11	1.79
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	11	1.79
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	19	1.79
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	19	1.79
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD2	11	1.79
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD3	11	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	11	1.79
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	12	1.79
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	14	1.79
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	1	1.79
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	1	1.79
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	1	1.79
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	15	1.79
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	15	1.79
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	15	1.79
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	19	1.79
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	9	1.78
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	9	1.78
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	12	1.78
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	12	1.78
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD11	20	1.78
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD12	20	1.78
(1,1183)	1:128:A:ILE:HA	1:132:A:ILE:HD13	20	1.78
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	12	1.78
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	15	1.78
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	15	1.78
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	15	1.78
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	17	1.78
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	17	1.78
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	10	1.78
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	10	1.78
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	10	1.78
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	10	1.78
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	10	1.78
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	10	1.78
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	17	1.78
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	17	1.78
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	17	1.78
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	16	1.78
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	1	1.78
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	4	1.78
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	9	1.78
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	18	1.78
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	20	1.78
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	7	1.78
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	7	1.78
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	7	1.78
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	10	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	10	1.78
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	10	1.78
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	11	1.78
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	11	1.78
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	11	1.78
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	17	1.78
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	7	1.78
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	1	1.77
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	17	1.77
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	5	1.77
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	5	1.77
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	5	1.77
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	17	1.77
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	17	1.77
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	7	1.77
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	7	1.77
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	9	1.77
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	9	1.77
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	9	1.77
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	9	1.77
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	9	1.77
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	8	1.77
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	8	1.77
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	18	1.77
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	19	1.77
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD2	19	1.77
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD3	19	1.77
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	7	1.77
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	13	1.77
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	15	1.77
(1,748)	1:37:A:LEU:H	1:37:A:LEU:HG	1	1.77
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	20	1.77
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	20	1.77
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	8	1.77
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	3	1.76
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	3	1.76
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	1	1.76
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	1	1.76
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	3	1.76
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	3	1.76
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	3	1.76
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG21	20	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG22	20	1.76
(1,1069)	1:107:A:ILE:H	1:107:A:ILE:HG23	20	1.76
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	18	1.76
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	18	1.76
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	12	1.76
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	12	1.76
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	12	1.76
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	20	1.76
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	10	1.76
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	10	1.76
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	16	1.76
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	16	1.76
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	16	1.76
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	3	1.76
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	4	1.76
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	5	1.76
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	6	1.76
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	10	1.76
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	13	1.76
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	14	1.76
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	6	1.76
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	6	1.76
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	9	1.76
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	9	1.76
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	17	1.76
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	17	1.76
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD2	2	1.76
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD3	2	1.76
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	17	1.76
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	14	1.76
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	9	1.75
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	9	1.75
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	9	1.75
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	10	1.75
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	10	1.75
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	10	1.75
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	13	1.75
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	13	1.75
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	8	1.75
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	8	1.75
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	8	1.75
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	8	1.75
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	8	1.75
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	16	1.75
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	16	1.75
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	20	1.75
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	7	1.75
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	7	1.75
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	7	1.75
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	1	1.75
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	1	1.75
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	14	1.75
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	18	1.75
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	18	1.75
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	16	1.75
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	16	1.75
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	6	1.75
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	6	1.75
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	6	1.75
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	18	1.75
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	18	1.75
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	18	1.75
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	20	1.74
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	20	1.74
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG21	19	1.74
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG22	19	1.74
(1,1206)	1:131:A:ILE:H	1:131:A:ILE:HG23	19	1.74
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	8	1.74
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	16	1.74
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	6	1.74
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	6	1.74
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	6	1.74
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	16	1.74
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	16	1.74
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	16	1.74
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	9	1.74
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	9	1.74
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	9	1.74
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG21	6	1.74
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG22	6	1.74
(1,987)	1:92:A:ILE:H	1:92:A:ILE:HG23	6	1.74
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	5	1.74
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	5	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	5	1.74
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	20	1.74
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	20	1.74
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	5	1.74
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	5	1.74
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	11	1.74
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	17	1.74
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	5	1.74
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	10	1.74
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	14	1.74
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	14	1.74
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	14	1.74
(1,752)	1:37:A:LEU:HG	1:38:A:ALA:H	6	1.74
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	7	1.74
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	5	1.73
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	5	1.73
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	5	1.73
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	7	1.73
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	11	1.73
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD11	6	1.73
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD12	6	1.73
(1,1170)	1:127:A:SER:H	1:128:A:ILE:HD13	6	1.73
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	5	1.73
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	15	1.73
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	15	1.73
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	15	1.73
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	12	1.73
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	12	1.73
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	12	1.73
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	12	1.73
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	12	1.73
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	12	1.73
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	14	1.73
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	14	1.73
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	14	1.73
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	14	1.73
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	14	1.73
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	14	1.73
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	15	1.73
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	15	1.73
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	3	1.73
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	3	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	3	1.73
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	3	1.73
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	3	1.73
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	3	1.73
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	3	1.73
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	3	1.73
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	3	1.73
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	3	1.73
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	3	1.73
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	3	1.73
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	14	1.73
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	14	1.73
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	8	1.73
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG2	9	1.72
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG3	9	1.72
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	8	1.72
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	8	1.72
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	1	1.72
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	3	1.72
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	4	1.72
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	11	1.72
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	11	1.72
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	19	1.72
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	17	1.72
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	17	1.72
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	17	1.72
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	17	1.72
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	17	1.72
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	17	1.72
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	17	1.72
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	17	1.72
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	17	1.72
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	17	1.72
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	17	1.72
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	17	1.72
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	2	1.72
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	2	1.72
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	10	1.72
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	10	1.72
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	10	1.72
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	18	1.72
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	15	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	15	1.72
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	20	1.72
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	20	1.72
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	20	1.72
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	12	1.72
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	13	1.72
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	13	1.72
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	13	1.72
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	13	1.72
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	4	1.72
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	4	1.72
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG2	20	1.71
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG3	20	1.71
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	17	1.71
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	17	1.71
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	13	1.71
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	13	1.71
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	13	1.71
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	10	1.71
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	12	1.71
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	13	1.71
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	20	1.71
(1,1132)	1:117:A:CYS:HB2	1:122:A:VAL:H	18	1.71
(1,1132)	1:117:A:CYS:HB3	1:122:A:VAL:H	18	1.71
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	1	1.71
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	1	1.71
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	1	1.71
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	3	1.71
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	3	1.71
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	3	1.71
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	1	1.71
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	1	1.71
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	18	1.71
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	18	1.71
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	18	1.71
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	6	1.71
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	6	1.71
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	16	1.71
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	9	1.71
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	19	1.7
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	19	1.7
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	19	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	2	1.7
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	14	1.7
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	15	1.7
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	18	1.7
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	19	1.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	7	1.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	7	1.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	7	1.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	7	1.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	7	1.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	7	1.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	7	1.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	7	1.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	7	1.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	7	1.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	7	1.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	7	1.7
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	12	1.7
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	12	1.7
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	12	1.7
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	4	1.7
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	4	1.7
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	14	1.7
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	14	1.7
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	20	1.7
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	4	1.7
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	4	1.7
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	4	1.7
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	12	1.7
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	12	1.7
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	12	1.7
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	1	1.7
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	1	1.7
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	15	1.69
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	15	1.69
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	15	1.69
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	5	1.69
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	5	1.69
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	5	1.69
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	9	1.69
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	6	1.69
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	12	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	12	1.69
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	12	1.69
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	14	1.69
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	14	1.69
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	14	1.69
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	10	1.69
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	10	1.69
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	17	1.69
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	17	1.69
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	17	1.69
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	17	1.69
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	17	1.69
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	17	1.69
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	6	1.69
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	6	1.69
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	12	1.69
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	12	1.69
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	2	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	13	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	13	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	13	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	13	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	13	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	13	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	13	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	13	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	13	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	13	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	13	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	13	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	14	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	14	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	14	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	14	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	14	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	14	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	14	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	14	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	14	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	14	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	14	1.69
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	14	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	18	1.69
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	17	1.69
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	17	1.69
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	12	1.69
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	12	1.69
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	19	1.69
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	13	1.69
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	13	1.69
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG2	17	1.69
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG3	17	1.69
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	20	1.69
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	20	1.69
(1,818)	1:51:A:LEU:H	1:52:A:ARG:HA	8	1.69
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	19	1.69
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	19	1.69
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	19	1.69
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	19	1.69
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	19	1.69
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	19	1.69
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	5	1.69
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	5	1.69
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	5	1.69
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	19	1.69
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	19	1.69
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	19	1.69
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	5	1.68
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	17	1.68
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	6	1.68
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	6	1.68
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	6	1.68
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	4	1.68
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	4	1.68
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	13	1.68
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	13	1.68
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	13	1.68
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	9	1.68
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	9	1.68
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	9	1.68
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	9	1.68
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	9	1.68
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	9	1.68
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	9	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	9	1.68
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	9	1.68
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	9	1.68
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	9	1.68
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	9	1.68
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	4	1.68
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	4	1.68
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	4	1.68
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	9	1.68
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	9	1.68
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	10	1.68
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	15	1.68
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	15	1.68
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	20	1.68
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	20	1.68
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	20	1.68
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	11	1.68
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	11	1.68
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	7	1.67
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	7	1.67
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	2	1.67
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	18	1.67
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	18	1.67
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	18	1.67
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	20	1.67
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	20	1.67
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	20	1.67
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	20	1.67
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	9	1.67
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	6	1.67
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	6	1.67
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	14	1.67
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	14	1.67
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	3	1.67
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	3	1.67
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	3	1.67
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	11	1.67
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	15	1.67
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	15	1.67
(1,826)	1:52:A:ARG:HG2	1:53:A:VAL:H	4	1.67
(1,826)	1:52:A:ARG:HG3	1:53:A:VAL:H	4	1.67
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	9	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	9	1.67
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	9	1.67
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	16	1.67
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	16	1.67
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	16	1.67
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	5	1.67
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	5	1.67
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	6	1.66
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	7	1.66
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	1	1.66
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	1	1.66
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	1	1.66
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	6	1.66
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	6	1.66
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	6	1.66
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	2	1.66
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	2	1.66
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	2	1.66
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	9	1.66
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	9	1.66
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	9	1.66
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	17	1.66
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	17	1.66
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	10	1.66
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	11	1.66
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	19	1.66
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	7	1.66
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	7	1.66
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	3	1.66
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	7	1.66
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	12	1.66
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	12	1.66
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	7	1.66
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	7	1.66
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	7	1.66
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	6	1.66
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	6	1.66
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG2	11	1.65
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG3	11	1.65
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	3	1.65
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	16	1.65
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	15	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	15	1.65
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	10	1.65
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	10	1.65
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	10	1.65
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	19	1.65
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	19	1.65
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	19	1.65
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	19	1.65
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	19	1.65
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	19	1.65
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	14	1.65
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	14	1.65
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	7	1.65
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	7	1.65
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	7	1.65
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	7	1.65
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	7	1.65
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	7	1.65
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	18	1.65
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	18	1.65
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	18	1.65
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	6	1.65
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	10	1.65
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	13	1.65
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	13	1.65
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	4	1.65
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	4	1.65
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	4	1.65
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	13	1.65
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	13	1.65
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	13	1.65
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	13	1.65
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	8	1.65
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	17	1.65
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	18	1.65
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	18	1.65
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	18	1.65
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	17	1.65
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	17	1.65
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	17	1.65
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	6	1.65
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG2	3	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG3	3	1.65
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	12	1.65
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	12	1.65
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	13	1.65
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	13	1.65
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	11	1.64
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	11	1.64
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	11	1.64
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	11	1.64
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	11	1.64
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	11	1.64
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	2	1.64
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	2	1.64
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	9	1.64
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	12	1.64
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	18	1.64
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	20	1.64
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	6	1.64
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	19	1.64
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	19	1.64
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	11	1.64
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	6	1.63
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	6	1.63
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	8	1.63
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	10	1.63
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	1	1.63
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	1	1.63
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	1	1.63
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	5	1.63
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	5	1.63
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	5	1.63
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	3	1.63
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	3	1.63
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	3	1.63
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	20	1.63
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	20	1.63
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	20	1.63
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB2	12	1.63
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB3	12	1.63
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	4	1.63
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	4	1.63
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	4	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	13	1.63
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	13	1.63
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD2	19	1.63
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD3	19	1.63
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	1	1.63
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	1	1.63
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	1	1.63
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	1	1.63
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	1	1.63
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	1	1.63
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	18	1.63
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	18	1.63
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	18	1.63
(1,922)	1:75:A:VAL:HB	1:76:A:ILE:H	5	1.63
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	2	1.63
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	5	1.63
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	20	1.62
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	14	1.62
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	14	1.62
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	19	1.62
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	18	1.62
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	18	1.62
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	18	1.62
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	20	1.62
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	20	1.62
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	17	1.62
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	17	1.62
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	17	1.62
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	14	1.62
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	14	1.62
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	2	1.62
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	4	1.62
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	2	1.62
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	11	1.62
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	11	1.62
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	11	1.62
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	11	1.62
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	11	1.62
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	12	1.62
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	13	1.62
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	13	1.62
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	8	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	8	1.62
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	8	1.62
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	8	1.62
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	8	1.62
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	8	1.62
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	4	1.61
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	4	1.61
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	1	1.61
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	10	1.61
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	10	1.61
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	13	1.61
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	13	1.61
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	5	1.61
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	5	1.61
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	5	1.61
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	10	1.61
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	10	1.61
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	10	1.61
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	8	1.61
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	6	1.61
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	17	1.61
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	13	1.61
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	13	1.61
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	2	1.61
(1,898)	1:68:A:THR:H	1:68:A:THR:HB	15	1.61
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	8	1.61
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	8	1.61
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	2	1.61
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	2	1.61
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	16	1.61
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	16	1.61
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	3	1.61
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	3	1.61
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	6	1.6
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	6	1.6
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	16	1.6
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	16	1.6
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	16	1.6
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	11	1.6
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	11	1.6
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	11	1.6
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	20	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	20	1.6
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	20	1.6
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	16	1.6
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	16	1.6
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	12	1.6
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	12	1.6
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	12	1.6
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	1	1.6
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	1	1.6
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	1	1.6
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	15	1.6
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	15	1.6
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	15	1.6
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	15	1.6
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	20	1.6
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	11	1.6
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	11	1.6
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	1	1.6
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	1	1.6
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	5	1.6
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	5	1.6
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	15	1.6
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	6	1.6
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	6	1.6
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	13	1.6
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	13	1.6
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	3	1.59
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	3	1.59
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	4	1.59
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	13	1.59
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	7	1.59
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	7	1.59
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	7	1.59
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	12	1.59
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	12	1.59
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	18	1.59
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	18	1.59
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	18	1.59
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	18	1.59
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	18	1.59
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	18	1.59
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	9	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	9	1.59
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	9	1.59
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	15	1.59
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	15	1.59
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	8	1.59
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	8	1.59
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	11	1.59
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	11	1.59
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG2	9	1.59
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG3	9	1.59
(1,256)	1:65:A:TYR:H	1:65:A:TYR:HD2	9	1.59
(1,1248)	1:142:A:LEU:H	1:142:A:LEU:HG	13	1.58
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	18	1.58
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	18	1.58
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	18	1.58
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	1	1.58
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	1	1.58
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	1	1.58
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	19	1.58
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	10	1.58
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	10	1.58
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	7	1.58
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	7	1.58
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	7	1.58
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	7	1.58
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	3	1.58
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	6	1.58
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	3	1.58
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	3	1.58
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	9	1.58
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	9	1.58
(1,900)	1:68:A:THR:H	1:69:A:GLY:H	11	1.58
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	12	1.58
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	12	1.58
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	9	1.58
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	9	1.58
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	2	1.58
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	2	1.58
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	9	1.57
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	9	1.57
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	9	1.57
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	9	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	9	1.57
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	9	1.57
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	2	1.57
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	2	1.57
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	5	1.57
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	5	1.57
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	15	1.57
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	10	1.57
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	10	1.57
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	10	1.57
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	4	1.57
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	17	1.57
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	17	1.57
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	17	1.57
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	17	1.57
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	17	1.57
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	17	1.57
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	3	1.57
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	3	1.57
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	3	1.57
(1,1023)	1:98:A:GLN:HB2	1:99:A:ASN:H	17	1.57
(1,1023)	1:98:A:GLN:HB3	1:99:A:ASN:H	17	1.57
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG2	2	1.57
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG3	2	1.57
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	18	1.57
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	18	1.57
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	17	1.57
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	17	1.57
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	4	1.57
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	4	1.57
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	4	1.57
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	17	1.57
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	11	1.57
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	19	1.57
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	8	1.57
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	8	1.57
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	4	1.57
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	6	1.57
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	6	1.57
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	6	1.57
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	7	1.57
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	7	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:57:A:CYS:H	1:57:A:CYS:HG	2	1.57
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD2	14	1.57
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD3	14	1.57
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	8	1.57
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	8	1.57
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	8	1.57
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	1	1.57
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	19	1.57
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	19	1.57
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	19	1.57
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	12	1.57
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	12	1.57
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	20	1.56
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	11	1.56
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	11	1.56
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	11	1.56
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	6	1.56
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	6	1.56
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	8	1.56
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	8	1.56
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	8	1.56
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	17	1.56
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	17	1.56
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	17	1.56
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	15	1.56
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	15	1.56
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	5	1.56
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	5	1.56
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	4	1.56
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	4	1.56
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	11	1.56
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	11	1.56
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	11	1.56
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	16	1.56
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	16	1.56
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	16	1.56
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	2	1.56
(1,919)	1:74:A:GLY:H	1:75:A:VAL:H	19	1.56
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	10	1.56
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	10	1.56
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	1	1.56
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	1	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	14	1.56
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	14	1.56
(1,836)	1:57:A:CYS:H	1:57:A:CYS:HG	20	1.56
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	14	1.55
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	7	1.55
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	8	1.55
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	2	1.55
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	2	1.55
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	2	1.55
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	4	1.55
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	4	1.55
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	6	1.55
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	11	1.55
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	14	1.55
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	6	1.55
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	7	1.55
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	7	1.55
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	12	1.55
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	12	1.55
(1,836)	1:57:A:CYS:H	1:57:A:CYS:HG	6	1.55
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD2	15	1.55
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD3	15	1.55
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	12	1.55
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	14	1.55
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	7	1.54
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	7	1.54
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	20	1.54
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	20	1.54
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	19	1.54
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	19	1.54
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	14	1.54
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	14	1.54
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	14	1.54
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	4	1.54
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	4	1.54
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	4	1.54
(1,1132)	1:117:A:CYS:HB2	1:122:A:VAL:H	20	1.54
(1,1132)	1:117:A:CYS:HB3	1:122:A:VAL:H	20	1.54
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	17	1.54
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	17	1.54
(1,1113)	1:113:A:ALA:HB1	1:115:A:GLY:H	17	1.54
(1,1113)	1:113:A:ALA:HB2	1:115:A:GLY:H	17	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:113:A:ALA:HB3	1:115:A:GLY:H	17	1.54
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	14	1.54
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	14	1.54
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	14	1.54
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	16	1.54
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	16	1.54
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	16	1.54
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG2	9	1.54
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG3	9	1.54
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	11	1.54
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	11	1.54
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	19	1.54
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	19	1.54
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	19	1.54
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	7	1.54
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	7	1.54
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	20	1.54
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	4	1.54
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	7	1.54
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	10	1.54
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	12	1.54
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	12	1.54
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	11	1.54
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	11	1.54
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	1	1.54
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	1	1.54
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	1	1.54
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	5	1.54
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	5	1.54
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	5	1.54
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	11	1.54
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	11	1.54
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	11	1.54
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	11	1.54
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	7	1.54
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	7	1.54
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	18	1.54
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	18	1.54
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	9	1.54
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	9	1.54
(1,836)	1:57:A:CYS:H	1:57:A:CYS:HG	9	1.54
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD11	18	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD12	18	1.54
(1,771)	1:42:A:VAL:H	1:47:A:ILE:HD13	18	1.54
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	5	1.54
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	11	1.54
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	11	1.54
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	8	1.54
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	8	1.54
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	12	1.54
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	16	1.53
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	16	1.53
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	17	1.53
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	17	1.53
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	7	1.53
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	7	1.53
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	15	1.53
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	12	1.53
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	12	1.53
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG2	11	1.53
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG3	11	1.53
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	15	1.53
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	15	1.53
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	3	1.53
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	3	1.53
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	3	1.53
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	14	1.53
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	14	1.53
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	14	1.53
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	10	1.53
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	17	1.53
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	13	1.53
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	14	1.53
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	14	1.53
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	13	1.53
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	13	1.53
(1,838)	1:57:A:CYS:H	1:58:A:VAL:HB	7	1.53
(1,836)	1:57:A:CYS:H	1:57:A:CYS:HG	19	1.53
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	10	1.53
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	10	1.53
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	10	1.53
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	10	1.53
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	4	1.53
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	18	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	18	1.52
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	3	1.52
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	9	1.52
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	3	1.52
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	3	1.52
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	3	1.52
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	12	1.52
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	12	1.52
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	12	1.52
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	20	1.52
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	20	1.52
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	20	1.52
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	20	1.52
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	20	1.52
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	20	1.52
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	4	1.52
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	4	1.52
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	7	1.52
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	7	1.52
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	9	1.52
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	9	1.52
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	15	1.52
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	15	1.52
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	16	1.52
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	16	1.52
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	20	1.52
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	20	1.52
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	19	1.52
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG2	16	1.52
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG3	16	1.52
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	14	1.52
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	14	1.52
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	14	1.52
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	4	1.52
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	11	1.52
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	16	1.52
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	19	1.52
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	3	1.52
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	19	1.52
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	9	1.52
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	14	1.52
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	8	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	8	1.52
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	18	1.52
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	18	1.52
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG2	3	1.52
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG3	3	1.52
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	5	1.52
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	14	1.52
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	17	1.52
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	17	1.52
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	17	1.52
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	17	1.52
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	17	1.52
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	17	1.52
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	12	1.51
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	12	1.51
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	4	1.51
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	4	1.51
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	4	1.51
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	19	1.51
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	19	1.51
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	17	1.51
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	17	1.51
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	20	1.51
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	20	1.51
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	20	1.51
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	8	1.51
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	12	1.51
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	13	1.51
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	2	1.51
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	7	1.51
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	11	1.51
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	12	1.51
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	17	1.51
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	2	1.51
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	10	1.5
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	10	1.5
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	20	1.5
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	20	1.5
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	20	1.5
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	16	1.5
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	16	1.5
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	16	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	7	1.5
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	7	1.5
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	7	1.5
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	15	1.5
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	15	1.5
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	15	1.5
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	19	1.5
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	19	1.5
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	19	1.5
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	1	1.5
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	12	1.5
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	7	1.5
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	7	1.5
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	7	1.5
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	17	1.5
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	17	1.5
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	17	1.5
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	2	1.5
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	2	1.5
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	3	1.5
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	3	1.5
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	11	1.5
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	11	1.5
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	14	1.5
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	14	1.5
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	4	1.5
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	4	1.5
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	4	1.5
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	4	1.5
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	4	1.5
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	4	1.5
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	11	1.5
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	11	1.5
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	7	1.5
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	1	1.5
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	1	1.5
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	1	1.5
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	3	1.5
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	6	1.5
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	7	1.5
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	17	1.5
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	9	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	16	1.5
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	1	1.5
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	4	1.5
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	16	1.5
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	3	1.5
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	3	1.5
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	18	1.5
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	18	1.5
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG2	6	1.5
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG3	6	1.5
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	6	1.5
(1,745)	1:36:A:ASP:HA	1:39:A:HIS:H	8	1.5
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	14	1.5
(1,672)	1:19:A:ALA:HB1	1:20:A:PHE:H	7	1.5
(1,672)	1:19:A:ALA:HB2	1:20:A:PHE:H	7	1.5
(1,672)	1:19:A:ALA:HB3	1:20:A:PHE:H	7	1.5
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	18	1.5
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	18	1.5
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	18	1.5
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	18	1.5
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	18	1.5
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	18	1.5
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD11	6	1.5
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD12	6	1.5
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD13	6	1.5
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD21	6	1.5
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD22	6	1.5
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD23	6	1.5
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	5	1.49
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	5	1.49
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	9	1.49
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	9	1.49
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	14	1.49
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	16	1.49
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	9	1.49
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	1	1.49
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	1	1.49
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	1	1.49
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	6	1.49
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	6	1.49
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	6	1.49
(1,1132)	1:117:A:CYS:HB2	1:122:A:VAL:H	2	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1132)	1:117:A:CYS:HB3	1:122:A:VAL:H	2	1.49
(1,1132)	1:117:A:CYS:HB2	1:122:A:VAL:H	17	1.49
(1,1132)	1:117:A:CYS:HB3	1:122:A:VAL:H	17	1.49
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	6	1.49
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	6	1.49
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	13	1.49
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	13	1.49
(1,1054)	1:105:A:TRP:H	1:105:A:TRP:HD1	13	1.49
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	8	1.49
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG2	17	1.49
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG3	17	1.49
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	3	1.49
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	3	1.49
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	3	1.49
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	13	1.49
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	13	1.49
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	13	1.49
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	5	1.49
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	20	1.49
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	13	1.49
(1,919)	1:74:A:GLY:H	1:75:A:VAL:H	14	1.49
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	8	1.49
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	8	1.49
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	15	1.49
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	20	1.49
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	18	1.49
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	18	1.49
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	15	1.49
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	12	1.49
(1,256)	1:65:A:TYR:H	1:65:A:TYR:HD2	17	1.49
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	1	1.48
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	1	1.48
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	11	1.48
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	14	1.48
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	14	1.48
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	14	1.48
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB2	2	1.48
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB3	2	1.48
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	4	1.48
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	4	1.48
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	4	1.48
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	1	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	1	1.48
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	5	1.48
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	5	1.48
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	8	1.48
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	8	1.48
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	20	1.48
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	20	1.48
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	20	1.48
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	20	1.48
(1,1054)	1:105:A:TRP:H	1:105:A:TRP:HD1	4	1.48
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG2	6	1.48
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG3	6	1.48
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	9	1.48
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	9	1.48
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	18	1.48
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	16	1.48
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	16	1.48
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	18	1.48
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	10	1.48
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	10	1.48
(1,915)	1:71:A:ILE:HG21	1:72:A:ARG:H	19	1.48
(1,915)	1:71:A:ILE:HG22	1:72:A:ARG:H	19	1.48
(1,915)	1:71:A:ILE:HG23	1:72:A:ARG:H	19	1.48
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	3	1.48
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	5	1.48
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	5	1.48
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	5	1.48
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	20	1.48
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	20	1.48
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	8	1.48
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	8	1.48
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	8	1.48
(1,672)	1:19:A:ALA:HB1	1:20:A:PHE:H	15	1.48
(1,672)	1:19:A:ALA:HB2	1:20:A:PHE:H	15	1.48
(1,672)	1:19:A:ALA:HB3	1:20:A:PHE:H	15	1.48
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	13	1.47
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	13	1.47
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	13	1.47
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	11	1.47
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	10	1.47
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	10	1.47
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	10	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	15	1.47
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	15	1.47
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	15	1.47
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	14	1.47
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	9	1.47
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	9	1.47
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	2	1.47
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	2	1.47
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	19	1.47
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	19	1.47
(1,1054)	1:105:A:TRP:H	1:105:A:TRP:HD1	18	1.47
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	11	1.47
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	11	1.47
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	8	1.47
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	8	1.47
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	8	1.47
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	15	1.47
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	8	1.47
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	8	1.47
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	5	1.47
(1,900)	1:68:A:THR:H	1:69:A:GLY:H	9	1.47
(1,867)	1:61:A:ILE:HB	1:62:A:LEU:H	15	1.47
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	12	1.47
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	19	1.47
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	19	1.47
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	4	1.47
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	14	1.47
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	14	1.47
(1,672)	1:19:A:ALA:HB1	1:20:A:PHE:H	5	1.47
(1,672)	1:19:A:ALA:HB2	1:20:A:PHE:H	5	1.47
(1,672)	1:19:A:ALA:HB3	1:20:A:PHE:H	5	1.47
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	9	1.46
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	9	1.46
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	9	1.46
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	8	1.46
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	8	1.46
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	8	1.46
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	9	1.46
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	9	1.46
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	9	1.46
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	8	1.46
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	8	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	8	1.46
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	3	1.46
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	3	1.46
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	3	1.46
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	18	1.46
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	18	1.46
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG2	1	1.46
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG3	1	1.46
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	5	1.46
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	5	1.46
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	18	1.46
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	18	1.46
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	18	1.46
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	18	1.46
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	18	1.46
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	18	1.46
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	1	1.46
(1,919)	1:74:A:GLY:H	1:75:A:VAL:H	16	1.46
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	14	1.46
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	14	1.46
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	14	1.46
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	9	1.46
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	9	1.46
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	20	1.46
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	11	1.46
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	11	1.46
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	14	1.45
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	14	1.45
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	14	1.45
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	14	1.45
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	14	1.45
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	14	1.45
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	11	1.45
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	11	1.45
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	17	1.45
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	14	1.45
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	14	1.45
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	14	1.45
(1,1135)	1:118:A:ASP:H	1:121:A:THR:H	5	1.45
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	8	1.45
(1,1054)	1:105:A:TRP:H	1:105:A:TRP:HD1	1	1.45
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	17	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	9	1.45
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	9	1.45
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	9	1.45
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	9	1.45
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	9	1.45
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	9	1.45
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	14	1.45
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	12	1.45
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	5	1.45
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	12	1.45
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	12	1.45
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	12	1.45
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD11	11	1.45
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD12	11	1.45
(1,912)	1:71:A:ILE:H	1:71:A:ILE:HD13	11	1.45
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	5	1.45
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	5	1.45
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	17	1.45
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	17	1.45
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	19	1.45
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	17	1.45
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	17	1.45
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	17	1.45
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	17	1.45
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	17	1.45
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	17	1.45
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	14	1.45
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	14	1.45
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG2	20	1.45
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG3	20	1.45
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	7	1.44
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	7	1.44
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	7	1.44
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	19	1.44
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	19	1.44
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	19	1.44
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	6	1.44
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	6	1.44
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	6	1.44
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	12	1.44
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	12	1.44
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	12	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	4	1.44
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	14	1.44
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	14	1.44
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	14	1.44
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	14	1.44
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	14	1.44
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	14	1.44
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	13	1.44
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	13	1.44
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	13	1.44
(1,1132)	1:117:A:CYS:HB2	1:122:A:VAL:H	12	1.44
(1,1132)	1:117:A:CYS:HB3	1:122:A:VAL:H	12	1.44
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	9	1.44
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	9	1.44
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	19	1.44
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	17	1.44
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	17	1.44
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG2	18	1.44
(1,1077)	1:108:A:ARG:H	1:108:A:ARG:HG3	18	1.44
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	7	1.44
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	7	1.44
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	19	1.44
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	19	1.44
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	12	1.44
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	8	1.44
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	8	1.44
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	8	1.44
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	8	1.44
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	8	1.44
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	8	1.44
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	15	1.44
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	15	1.44
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	15	1.44
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	15	1.44
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	15	1.44
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	15	1.44
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	19	1.44
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	19	1.44
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	19	1.44
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	19	1.44
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	19	1.44
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	19	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	2	1.44
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	2	1.44
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	9	1.44
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	9	1.44
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	4	1.44
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	4	1.44
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	4	1.44
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	17	1.44
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	17	1.44
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	17	1.44
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	3	1.44
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	7	1.44
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	9	1.44
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	19	1.44
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	1	1.44
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	1	1.44
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	6	1.43
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	6	1.43
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	13	1.43
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	13	1.43
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG12	19	1.43
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG13	19	1.43
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	10	1.43
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	13	1.43
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	18	1.43
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	19	1.43
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	5	1.43
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	5	1.43
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	5	1.43
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	13	1.43
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	13	1.43
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	6	1.43
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	6	1.43
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	14	1.43
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	14	1.43
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	18	1.43
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	18	1.43
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	3	1.43
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	3	1.43
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	3	1.43
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	3	1.43
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	3	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	3	1.43
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	9	1.43
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	8	1.43
(1,919)	1:74:A:GLY:H	1:75:A:VAL:H	4	1.43
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	5	1.43
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	4	1.43
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	13	1.43
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	3	1.43
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	15	1.43
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	15	1.43
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	15	1.43
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	10	1.43
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	6	1.43
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	6	1.43
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	2	1.42
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	2	1.42
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	2	1.42
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	16	1.42
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	16	1.42
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	16	1.42
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	16	1.42
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	16	1.42
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	16	1.42
(1,1132)	1:117:A:CYS:HB2	1:122:A:VAL:H	15	1.42
(1,1132)	1:117:A:CYS:HB3	1:122:A:VAL:H	15	1.42
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	13	1.42
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	13	1.42
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	13	1.42
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	13	1.42
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	13	1.42
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	13	1.42
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	18	1.42
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	18	1.42
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	18	1.42
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	18	1.42
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	18	1.42
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	18	1.42
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	8	1.42
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	8	1.42
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	19	1.42
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	19	1.42
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	11	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	11	1.42
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	12	1.42
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	12	1.42
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	18	1.42
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	6	1.42
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	6	1.42
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	11	1.42
(1,890)	1:65:A:TYR:H	1:66:A:TYR:H	9	1.42
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	4	1.42
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	4	1.42
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	1	1.42
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	7	1.42
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	13	1.42
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	18	1.42
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	12	1.42
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	12	1.42
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	12	1.42
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	12	1.42
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	12	1.42
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	12	1.42
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	16	1.42
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	16	1.42
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	18	1.42
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	1	1.42
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	17	1.42
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	19	1.42
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	9	1.42
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	12	1.42
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	20	1.42
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	8	1.41
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	8	1.41
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	10	1.41
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	10	1.41
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	10	1.41
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	9	1.41
(1,1132)	1:117:A:CYS:HB2	1:122:A:VAL:H	13	1.41
(1,1132)	1:117:A:CYS:HB3	1:122:A:VAL:H	13	1.41
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	5	1.41
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	9	1.41
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	16	1.41
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	12	1.41
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	12	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	12	1.41
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	12	1.41
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	12	1.41
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	12	1.41
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	5	1.41
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	5	1.41
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	16	1.41
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	16	1.41
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	10	1.41
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	10	1.41
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	10	1.41
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	10	1.41
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	10	1.41
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	10	1.41
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	20	1.41
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	20	1.41
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	20	1.41
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	20	1.41
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	20	1.41
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	20	1.41
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	8	1.41
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	18	1.41
(1,938)	1:83:A:VAL:HB	1:84:A:ALA:H	9	1.41
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	20	1.41
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	20	1.41
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	6	1.41
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	6	1.41
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	15	1.41
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	15	1.41
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	1	1.41
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	16	1.41
(1,716)	1:33:A:ARG:H	1:33:A:ARG:HG2	13	1.41
(1,716)	1:33:A:ARG:H	1:33:A:ARG:HG3	13	1.41
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	12	1.41
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	14	1.41
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	17	1.41
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG2	11	1.41
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG3	11	1.41
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	7	1.4
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	11	1.4
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	11	1.4
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	11	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	2	1.4
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	9	1.4
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	9	1.4
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	9	1.4
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	9	1.4
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	9	1.4
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	9	1.4
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	3	1.4
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	3	1.4
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	4	1.4
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	4	1.4
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	6	1.4
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	6	1.4
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	13	1.4
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	13	1.4
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	19	1.4
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	1	1.4
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	15	1.4
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	1	1.4
(1,926)	1:76:A:ILE:HB	1:77:A:GLY:H	14	1.4
(1,919)	1:74:A:GLY:H	1:75:A:VAL:H	12	1.4
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	6	1.4
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	17	1.4
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	8	1.4
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	8	1.4
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	13	1.4
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	2	1.4
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	2	1.4
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	2	1.4
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	13	1.4
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	13	1.4
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	13	1.4
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	16	1.4
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	5	1.4
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	2	1.39
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	2	1.39
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	2	1.39
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	2	1.39
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	20	1.39
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	20	1.39
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	20	1.39
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	18	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	18	1.39
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	2	1.39
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	2	1.39
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	14	1.39
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	14	1.39
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	12	1.39
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	12	1.39
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	6	1.39
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	6	1.39
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	2	1.39
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	2	1.39
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	2	1.39
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	2	1.39
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	2	1.39
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	2	1.39
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	5	1.39
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	5	1.39
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	5	1.39
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	5	1.39
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	5	1.39
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	5	1.39
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	7	1.39
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	7	1.39
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	7	1.39
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	7	1.39
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	7	1.39
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	7	1.39
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	6	1.39
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	2	1.39
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	9	1.39
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	9	1.39
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	8	1.39
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	8	1.39
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	8	1.39
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	3	1.39
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	3	1.39
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	3	1.39
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	14	1.39
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	14	1.39
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	14	1.39
(1,867)	1:61:A:ILE:HB	1:62:A:LEU:H	8	1.39
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	6	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	6	1.39
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	7	1.39
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	7	1.39
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	20	1.39
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	20	1.39
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	4	1.39
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	14	1.39
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	14	1.39
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	14	1.39
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	20	1.39
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	20	1.39
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	20	1.39
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG2	18	1.39
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG3	18	1.39
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD11	20	1.39
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD12	20	1.39
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD13	20	1.39
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD21	20	1.39
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD22	20	1.39
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD23	20	1.39
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	6	1.38
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	12	1.38
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	12	1.38
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	12	1.38
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	12	1.38
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	12	1.38
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	12	1.38
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	8	1.38
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	2	1.38
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	2	1.38
(1,1023)	1:98:A:GLN:HB2	1:99:A:ASN:H	11	1.38
(1,1023)	1:98:A:GLN:HB3	1:99:A:ASN:H	11	1.38
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	8	1.38
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	8	1.38
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	1	1.38
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	1	1.38
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	6	1.38
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	6	1.38
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	6	1.38
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	6	1.38
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	6	1.38
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	6	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	6	1.38
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	6	1.38
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	6	1.38
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	17	1.38
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	1	1.38
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	1	1.38
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	1	1.38
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	1	1.38
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	1	1.38
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	1	1.38
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	3	1.38
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	3	1.38
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	3	1.38
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	3	1.38
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	3	1.38
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	3	1.38
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	16	1.38
(1,919)	1:74:A:GLY:H	1:75:A:VAL:H	9	1.38
(1,919)	1:74:A:GLY:H	1:75:A:VAL:H	10	1.38
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	14	1.38
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	2	1.38
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	8	1.38
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	19	1.38
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	11	1.38
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	20	1.38
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	20	1.38
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD11	1	1.38
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD12	1	1.38
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD13	1	1.38
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD21	1	1.38
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD22	1	1.38
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD23	1	1.38
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD11	2	1.38
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD12	2	1.38
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD13	2	1.38
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD21	2	1.38
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD22	2	1.38
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD23	2	1.38
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	20	1.37
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	20	1.37
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	20	1.37
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	20	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	20	1.37
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	20	1.37
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	15	1.37
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	15	1.37
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	12	1.37
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	12	1.37
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	12	1.37
(1,1187)	1:128:A:ILE:HG21	1:129:A:ASN:H	16	1.37
(1,1187)	1:128:A:ILE:HG22	1:129:A:ASN:H	16	1.37
(1,1187)	1:128:A:ILE:HG23	1:129:A:ASN:H	16	1.37
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	8	1.37
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	8	1.37
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	8	1.37
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	4	1.37
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	4	1.37
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	4	1.37
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	4	1.37
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	4	1.37
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	4	1.37
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG21	2	1.37
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG22	2	1.37
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG23	2	1.37
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	2	1.37
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	2	1.37
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	2	1.37
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	2	1.37
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	2	1.37
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	2	1.37
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	4	1.37
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	4	1.37
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	4	1.37
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	4	1.37
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	4	1.37
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	4	1.37
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	9	1.37
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	9	1.37
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	9	1.37
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	9	1.37
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	9	1.37
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	9	1.37
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	9	1.37
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	9	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	9	1.37
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	19	1.37
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	6	1.37
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	6	1.37
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	15	1.37
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	15	1.37
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	15	1.37
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	4	1.37
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	4	1.37
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	8	1.37
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	8	1.37
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	8	1.37
(1,919)	1:74:A:GLY:H	1:75:A:VAL:H	1	1.37
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	16	1.37
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	16	1.37
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	14	1.37
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	8	1.37
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	5	1.37
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	5	1.37
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	8	1.37
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	11	1.37
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	18	1.37
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	12	1.37
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	10	1.37
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG2	19	1.37
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG3	19	1.37
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	9	1.36
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	9	1.36
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	10	1.36
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	10	1.36
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	10	1.36
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	20	1.36
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	3	1.36
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	3	1.36
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	3	1.36
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	3	1.36
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	3	1.36
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	3	1.36
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	19	1.36
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	19	1.36
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	19	1.36
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	11	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	11	1.36
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	11	1.36
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	11	1.36
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	11	1.36
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	11	1.36
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	8	1.36
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	8	1.36
(1,1023)	1:98:A:GLN:HB2	1:99:A:ASN:H	4	1.36
(1,1023)	1:98:A:GLN:HB3	1:99:A:ASN:H	4	1.36
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	7	1.36
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	12	1.36
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	12	1.36
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	12	1.36
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	12	1.36
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	12	1.36
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	12	1.36
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	16	1.36
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	16	1.36
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	16	1.36
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	16	1.36
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	16	1.36
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	16	1.36
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	14	1.36
(1,903)	1:69:A:GLY:H	1:70:A:SER:H	7	1.36
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	10	1.36
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	10	1.36
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	16	1.36
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	8	1.36
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG2	12	1.36
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG3	12	1.36
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	9	1.36
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	9	1.36
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	7	1.36
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	7	1.35
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	15	1.35
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	15	1.35
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	20	1.35
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	11	1.35
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	11	1.35
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	11	1.35
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	13	1.35
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	13	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	13	1.35
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	13	1.35
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	13	1.35
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	13	1.35
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	18	1.35
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	18	1.35
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	18	1.35
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	15	1.35
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	19	1.35
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	19	1.35
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	14	1.35
(1,1023)	1:98:A:GLN:HB2	1:99:A:ASN:H	8	1.35
(1,1023)	1:98:A:GLN:HB3	1:99:A:ASN:H	8	1.35
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	19	1.35
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	19	1.35
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	13	1.35
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	13	1.35
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	13	1.35
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	13	1.35
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	13	1.35
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	13	1.35
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	13	1.35
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	13	1.35
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	13	1.35
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	4	1.35
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	4	1.35
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	4	1.35
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	4	1.35
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	4	1.35
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	4	1.35
(1,945)	1:85:A:THR:H	1:88:A:VAL:HB	10	1.35
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	1	1.35
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	8	1.35
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	8	1.35
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	8	1.35
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	4	1.35
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	4	1.35
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	12	1.35
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	12	1.35
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	1	1.35
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	16	1.35
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	16	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	5	1.35
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	5	1.35
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	11	1.35
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	14	1.35
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	14	1.35
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	8	1.35
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	19	1.35
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	14	1.35
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	14	1.35
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	14	1.35
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	18	1.35
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	7	1.35
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	16	1.35
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG2	13	1.35
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG3	13	1.35
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	9	1.34
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	9	1.34
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	13	1.34
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	13	1.34
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG12	7	1.34
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG13	7	1.34
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	18	1.34
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	18	1.34
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	18	1.34
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	17	1.34
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	5	1.34
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	5	1.34
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	5	1.34
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	16	1.34
(1,1132)	1:117:A:CYS:HB2	1:122:A:VAL:H	1	1.34
(1,1132)	1:117:A:CYS:HB3	1:122:A:VAL:H	1	1.34
(1,1132)	1:117:A:CYS:HB2	1:122:A:VAL:H	10	1.34
(1,1132)	1:117:A:CYS:HB3	1:122:A:VAL:H	10	1.34
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	15	1.34
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	15	1.34
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	3	1.34
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	3	1.34
(1,1054)	1:105:A:TRP:H	1:105:A:TRP:HD1	19	1.34
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	18	1.34
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	5	1.34
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	5	1.34
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	5	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	11	1.34
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG21	20	1.34
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG22	20	1.34
(1,1005)	1:95:A:TYR:HE1	1:107:A:ILE:HG23	20	1.34
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG21	20	1.34
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG22	20	1.34
(1,1005)	1:95:A:TYR:HE2	1:107:A:ILE:HG23	20	1.34
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	18	1.34
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	18	1.34
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	10	1.34
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	10	1.34
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	10	1.34
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	10	1.34
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	10	1.34
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	10	1.34
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	10	1.34
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	10	1.34
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	10	1.34
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	12	1.34
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	12	1.34
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	12	1.34
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	17	1.34
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	17	1.34
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	8	1.34
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	5	1.34
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	5	1.34
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	6	1.34
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	6	1.34
(1,893)	1:66:A:TYR:H	1:66:A:TYR:HD1	7	1.34
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	17	1.34
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	17	1.34
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	20	1.34
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	19	1.34
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	6	1.34
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	16	1.34
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	10	1.34
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	20	1.34
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	3	1.34
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	3	1.34
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	3	1.34
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	18	1.34
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	18	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	18	1.34
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	18	1.34
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	18	1.34
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	15	1.33
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	1	1.33
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	1	1.33
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	1	1.33
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	11	1.33
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	13	1.33
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	1	1.33
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	1	1.33
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	1	1.33
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	1	1.33
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	1	1.33
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	1	1.33
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	7	1.33
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	7	1.33
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	7	1.33
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	7	1.33
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	7	1.33
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	7	1.33
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	11	1.33
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	11	1.33
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	11	1.33
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	11	1.33
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	11	1.33
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	11	1.33
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	19	1.33
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	19	1.33
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	19	1.33
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	19	1.33
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	19	1.33
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	19	1.33
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	18	1.33
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	18	1.33
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	1	1.33
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	4	1.33
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	13	1.33
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	13	1.33
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	13	1.33
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	13	1.33
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	13	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	13	1.33
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	4	1.33
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	18	1.33
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	16	1.33
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	14	1.33
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	14	1.33
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	8	1.33
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	8	1.33
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	16	1.33
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	16	1.33
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	18	1.33
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	18	1.33
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	18	1.33
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	18	1.33
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	18	1.33
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	18	1.33
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	13	1.33
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	13	1.33
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	7	1.33
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	15	1.33
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	5	1.33
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	15	1.33
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	11	1.33
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	11	1.33
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	11	1.33
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	11	1.33
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	11	1.33
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	11	1.33
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	11	1.33
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	11	1.33
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	11	1.33
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	7	1.33
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	9	1.33
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	1	1.33
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	1	1.33
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	1	1.33
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	1	1.33
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	6	1.33
(1,672)	1:19:A:ALA:HB1	1:20:A:PHE:H	1	1.33
(1,672)	1:19:A:ALA:HB2	1:20:A:PHE:H	1	1.33
(1,672)	1:19:A:ALA:HB3	1:20:A:PHE:H	1	1.33
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	16	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	16	1.32
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG12	19	1.32
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG13	19	1.32
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	7	1.32
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	7	1.32
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	14	1.32
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	14	1.32
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	17	1.32
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	17	1.32
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	1	1.32
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	1	1.32
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	10	1.32
(1,967)	1:89:A:VAL:HA	1:92:A:ILE:H	5	1.32
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	9	1.32
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	16	1.32
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	16	1.32
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	12	1.32
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	1	1.32
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	6	1.32
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	6	1.32
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	15	1.32
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	15	1.32
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	1	1.32
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	1	1.32
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	2	1.32
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	2	1.32
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	11	1.32
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	11	1.32
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	9	1.32
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	12	1.32
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	17	1.32
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	18	1.32
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	4	1.32
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	4	1.32
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	4	1.32
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	1	1.32
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	1	1.32
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	1	1.32
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	8	1.32
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	8	1.32
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	8	1.32
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	1	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	2	1.32
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	3	1.32
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	5	1.32
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	5	1.32
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	2	1.31
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	2	1.31
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	2	1.31
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	2	1.31
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	2	1.31
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	2	1.31
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	3	1.31
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	3	1.31
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	3	1.31
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	8	1.31
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	8	1.31
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	8	1.31
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	17	1.31
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	17	1.31
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	17	1.31
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	10	1.31
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	10	1.31
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	10	1.31
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	10	1.31
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	10	1.31
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	10	1.31
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	11	1.31
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	2	1.31
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	6	1.31
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	1	1.31
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	1	1.31
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	1	1.31
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	1	1.31
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	1	1.31
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	1	1.31
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	14	1.31
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	14	1.31
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	14	1.31
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	14	1.31
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	14	1.31
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	14	1.31
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	17	1.31
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	17	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	17	1.31
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	17	1.31
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	17	1.31
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	17	1.31
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	14	1.31
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	15	1.31
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	15	1.31
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	15	1.31
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	5	1.31
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	3	1.31
(1,900)	1:68:A:THR:H	1:69:A:GLY:H	3	1.31
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	8	1.31
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	10	1.31
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	10	1.31
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	15	1.31
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	15	1.31
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	4	1.31
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	4	1.31
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	1	1.31
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	1	1.31
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	10	1.31
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	4	1.31
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	4	1.31
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	3	1.31
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	20	1.31
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD11	13	1.31
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD12	13	1.31
(1,756)	1:38:A:ALA:H	1:47:A:ILE:HD13	13	1.31
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	2	1.31
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	3	1.31
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	9	1.31
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	13	1.31
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	11	1.31
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	11	1.31
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	6	1.3
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	6	1.3
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	6	1.3
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	6	1.3
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	6	1.3
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	6	1.3
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	3	1.3
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	3	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	3	1.3
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	16	1.3
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	2	1.3
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	2	1.3
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	2	1.3
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	3	1.3
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	3	1.3
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	3	1.3
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	12	1.3
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	12	1.3
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	12	1.3
(1,1054)	1:105:A:TRP:H	1:105:A:TRP:HD1	2	1.3
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	1	1.3
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	13	1.3
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	15	1.3
(1,1023)	1:98:A:GLN:HB2	1:99:A:ASN:H	1	1.3
(1,1023)	1:98:A:GLN:HB3	1:99:A:ASN:H	1	1.3
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	5	1.3
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	5	1.3
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	5	1.3
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	5	1.3
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	4	1.3
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	3	1.3
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	3	1.3
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	13	1.3
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	19	1.3
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	19	1.3
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	7	1.3
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	7	1.3
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	4	1.3
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	15	1.3
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	12	1.3
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	12	1.3
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	12	1.3
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	8	1.3
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	8	1.3
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	13	1.3
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	13	1.3
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	8	1.3
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	8	1.3
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	5	1.3
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	19	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	18	1.3
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	6	1.3
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	6	1.3
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	6	1.3
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	15	1.3
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	18	1.3
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	13	1.3
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	13	1.3
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	13	1.3
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG2	14	1.3
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG3	14	1.3
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD2	20	1.3
(1,676)	1:20:A:PHE:HA	1:33:A:ARG:HD3	20	1.3
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	15	1.3
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	15	1.3
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	11	1.29
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	11	1.29
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	15	1.29
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	15	1.29
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	5	1.29
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	4	1.29
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	4	1.29
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	4	1.29
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	7	1.29
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	7	1.29
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	7	1.29
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	7	1.29
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	7	1.29
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	7	1.29
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	14	1.29
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	14	1.29
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	14	1.29
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	14	1.29
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	14	1.29
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	14	1.29
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	11	1.29
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	11	1.29
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	1	1.29
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	1	1.29
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	3	1.29
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	5	1.29
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	8	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	4	1.29
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	4	1.29
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	19	1.29
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	19	1.29
(1,903)	1:69:A:GLY:H	1:70:A:SER:H	14	1.29
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	15	1.29
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	15	1.29
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	15	1.29
(1,867)	1:61:A:ILE:HB	1:62:A:LEU:H	10	1.29
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	15	1.29
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	12	1.29
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	12	1.29
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	13	1.29
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	16	1.29
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	1	1.29
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	7	1.29
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	13	1.29
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	19	1.29
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	20	1.29
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	4	1.28
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	4	1.28
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG12	14	1.28
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG13	14	1.28
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG12	17	1.28
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG13	17	1.28
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	6	1.28
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	6	1.28
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	10	1.28
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG21	16	1.28
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG22	16	1.28
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG23	16	1.28
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	15	1.28
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	15	1.28
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	15	1.28
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	15	1.28
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	6	1.28
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	3	1.28
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	3	1.28
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	3	1.28
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	3	1.28
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	3	1.28
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	3	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	7	1.28
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	7	1.28
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	13	1.28
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	9	1.28
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	12	1.28
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	16	1.28
(1,1028)	1:101:A:THR:H	1:101:A:THR:HB	18	1.28
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG21	6	1.28
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG22	6	1.28
(1,985)	1:92:A:ILE:H	1:128:A:ILE:HG23	6	1.28
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	20	1.28
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	7	1.28
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	11	1.28
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	11	1.28
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	11	1.28
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	11	1.28
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	11	1.28
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	11	1.28
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	16	1.28
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	17	1.28
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	17	1.28
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	17	1.28
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	18	1.28
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	11	1.28
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	11	1.28
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	7	1.28
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	7	1.28
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	7	1.28
(1,890)	1:65:A:TYR:H	1:66:A:TYR:H	18	1.28
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	11	1.28
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	11	1.28
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	11	1.28
(1,867)	1:61:A:ILE:HB	1:62:A:LEU:H	13	1.28
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	4	1.28
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	4	1.28
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	10	1.28
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	10	1.28
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD11	3	1.28
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD12	3	1.28
(1,786)	1:47:A:ILE:H	1:47:A:ILE:HD13	3	1.28
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	14	1.28
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	7	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	7	1.28
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	7	1.28
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	15	1.28
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	15	1.28
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	15	1.28
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	15	1.28
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	8	1.28
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	8	1.28
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	4	1.27
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	4	1.27
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	13	1.27
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	1	1.27
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	1	1.27
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	1	1.27
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	1	1.27
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	12	1.27
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	12	1.27
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	12	1.27
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	12	1.27
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	12	1.27
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	12	1.27
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	11	1.27
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	11	1.27
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	11	1.27
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	11	1.27
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	11	1.27
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	11	1.27
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	11	1.27
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	11	1.27
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	11	1.27
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	8	1.27
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	3	1.27
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	3	1.27
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	4	1.27
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	4	1.27
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	19	1.27
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	19	1.27
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	6	1.27
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	6	1.27
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	6	1.27
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	17	1.27
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	17	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	10	1.27
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	7	1.27
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	12	1.27
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	8	1.27
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	8	1.27
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	8	1.27
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	8	1.27
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	6	1.27
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	6	1.27
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	6	1.27
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	2	1.27
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	2	1.27
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	2	1.27
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	2	1.27
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	4	1.27
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	17	1.26
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	17	1.26
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	17	1.26
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	17	1.26
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	17	1.26
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	17	1.26
(1,1233)	1:135:A:LYS:HG2	1:136:A:VAL:H	20	1.26
(1,1233)	1:135:A:LYS:HG3	1:136:A:VAL:H	20	1.26
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	18	1.26
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	18	1.26
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	18	1.26
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	14	1.26
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	16	1.26
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	16	1.26
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	16	1.26
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	20	1.26
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	20	1.26
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	20	1.26
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	20	1.26
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	8	1.26
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	8	1.26
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	8	1.26
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	8	1.26
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	8	1.26
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	8	1.26
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	10	1.26
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	10	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	15	1.26
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	15	1.26
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	2	1.26
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	2	1.26
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	12	1.26
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	12	1.26
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	5	1.26
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	1	1.26
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	13	1.26
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	5	1.26
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	14	1.26
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	17	1.26
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	17	1.26
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	17	1.26
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	1	1.26
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	7	1.26
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	16	1.26
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	5	1.25
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	5	1.25
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	5	1.25
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	5	1.25
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	5	1.25
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	5	1.25
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	19	1.25
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	19	1.25
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	19	1.25
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	19	1.25
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	19	1.25
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	19	1.25
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	4	1.25
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	4	1.25
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	13	1.25
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	13	1.25
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	13	1.25
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	1	1.25
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	1	1.25
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	1	1.25
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	12	1.25
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	15	1.25
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	15	1.25
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	15	1.25
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	15	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	15	1.25
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	15	1.25
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	11	1.25
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	11	1.25
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	11	1.25
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	11	1.25
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	6	1.25
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	4	1.25
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	13	1.25
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	13	1.25
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	19	1.25
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	2	1.25
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	2	1.25
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	2	1.25
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	6	1.25
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	6	1.25
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	6	1.25
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG2	12	1.25
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG3	12	1.25
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	20	1.25
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	2	1.25
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	11	1.25
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	7	1.25
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	7	1.25
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	7	1.25
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	1	1.25
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	1	1.25
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	1	1.25
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	1	1.25
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	6	1.25
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	6	1.25
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	6	1.25
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	6	1.25
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	6	1.25
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	8	1.25
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	17	1.25
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	5	1.25
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	11	1.25
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	2	1.25
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	2	1.25
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD11	9	1.25
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD12	9	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD13	9	1.25
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD21	9	1.25
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD22	9	1.25
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD23	9	1.25
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	1	1.24
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	1	1.24
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	1	1.24
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	1	1.24
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	1	1.24
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	1	1.24
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	1	1.24
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	20	1.24
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	20	1.24
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	18	1.24
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	18	1.24
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	18	1.24
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	16	1.24
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	16	1.24
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	16	1.24
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	16	1.24
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	8	1.24
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	8	1.24
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	8	1.24
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	8	1.24
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	10	1.24
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	10	1.24
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	10	1.24
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	10	1.24
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	10	1.24
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	10	1.24
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	9	1.24
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	5	1.24
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	5	1.24
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	6	1.24
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	6	1.24
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	8	1.24
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	20	1.24
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	20	1.24
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	20	1.24
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	20	1.24
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	20	1.24
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	20	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	20	1.24
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	20	1.24
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	20	1.24
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	15	1.24
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	14	1.24
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	14	1.24
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	14	1.24
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	9	1.24
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	9	1.24
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	9	1.24
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	14	1.24
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	13	1.24
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	18	1.24
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	18	1.24
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	18	1.24
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	18	1.24
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	1	1.24
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	9	1.24
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	13	1.24
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	13	1.24
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	13	1.24
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	13	1.24
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	16	1.24
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	5	1.24
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	13	1.23
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	13	1.23
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	13	1.23
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	13	1.23
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG12	7	1.23
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG13	7	1.23
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	1	1.23
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	9	1.23
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	7	1.23
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	7	1.23
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	13	1.23
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	17	1.23
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	17	1.23
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	17	1.23
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG2	3	1.23
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG3	3	1.23
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG2	10	1.23
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG3	10	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	17	1.23
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	17	1.23
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	13	1.23
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	4	1.23
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	4	1.23
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	13	1.23
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	8	1.23
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	8	1.23
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	10	1.23
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	10	1.23
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	15	1.23
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	15	1.23
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	4	1.23
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	4	1.23
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	4	1.23
(1,890)	1:65:A:TYR:H	1:66:A:TYR:H	13	1.23
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	9	1.23
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	2	1.23
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	2	1.23
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	2	1.23
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	18	1.23
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	18	1.23
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	10	1.23
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	10	1.23
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	13	1.23
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	13	1.23
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	13	1.23
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	13	1.23
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	13	1.23
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	13	1.23
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	13	1.23
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	13	1.23
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	13	1.23
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	13	1.23
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	13	1.23
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	13	1.23
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	11	1.23
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	4	1.23
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	4	1.23
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	15	1.23
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	15	1.23
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	15	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	15	1.23
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	15	1.23
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	15	1.23
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	10	1.23
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD11	14	1.23
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD12	14	1.23
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD13	14	1.23
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD21	14	1.23
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD22	14	1.23
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD23	14	1.23
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	13	1.22
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	13	1.22
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	13	1.22
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	13	1.22
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	13	1.22
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	13	1.22
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	19	1.22
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	8	1.22
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	8	1.22
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	8	1.22
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	16	1.22
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	16	1.22
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	16	1.22
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	15	1.22
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	8	1.22
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	8	1.22
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	8	1.22
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	8	1.22
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	8	1.22
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	8	1.22
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	5	1.22
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	5	1.22
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	5	1.22
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	7	1.22
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	7	1.22
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	7	1.22
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	8	1.22
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	8	1.22
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	8	1.22
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	13	1.22
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	13	1.22
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	13	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	2	1.22
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	2	1.22
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	2	1.22
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	2	1.22
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	17	1.22
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	17	1.22
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	17	1.22
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	17	1.22
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	20	1.22
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	20	1.22
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	1	1.22
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	13	1.22
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	1	1.22
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	14	1.22
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	14	1.22
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	14	1.22
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	14	1.22
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	14	1.22
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	14	1.22
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	12	1.22
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	12	1.22
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	2	1.22
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	16	1.22
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	6	1.22
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	9	1.22
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	15	1.22
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	4	1.22
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	4	1.22
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	4	1.22
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	4	1.22
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	4	1.22
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	4	1.22
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	4	1.22
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	4	1.22
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	4	1.22
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	7	1.22
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	10	1.22
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	10	1.22
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	19	1.22
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG2	13	1.22
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG3	13	1.22
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	18	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	5	1.22
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	5	1.22
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	9	1.22
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	18	1.22
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	18	1.22
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	2	1.22
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	2	1.22
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	2	1.22
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	2	1.22
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	2	1.22
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	2	1.22
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	9	1.22
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	17	1.22
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	17	1.22
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	17	1.22
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	17	1.22
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	17	1.22
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	17	1.22
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	17	1.22
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	17	1.22
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	17	1.22
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	17	1.22
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	17	1.22
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	17	1.22
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	10	1.22
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	16	1.22
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	4	1.22
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	4	1.22
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	4	1.22
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	6	1.22
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	18	1.22
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	18	1.22
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	18	1.22
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	10	1.22
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	10	1.22
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD11	10	1.22
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD12	10	1.22
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD13	10	1.22
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD21	10	1.22
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD22	10	1.22
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD23	10	1.22
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	10	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	11	1.21
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	11	1.21
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	11	1.21
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	11	1.21
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	11	1.21
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	11	1.21
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	6	1.21
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	6	1.21
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	6	1.21
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	13	1.21
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	13	1.21
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	13	1.21
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	13	1.21
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	5	1.21
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	10	1.21
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	10	1.21
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	13	1.21
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	12	1.21
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	12	1.21
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	4	1.21
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	4	1.21
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	10	1.21
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	14	1.21
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	1	1.21
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	15	1.21
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	19	1.21
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	5	1.21
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	5	1.21
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	5	1.21
(1,894)	1:66:A:TYR:HA	1:67:A:GLU:H	8	1.21
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	3	1.21
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	3	1.21
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	8	1.21
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	8	1.21
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	10	1.21
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	5	1.21
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	17	1.21
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	17	1.21
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	17	1.21
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	3	1.21
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	5	1.21
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	5	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	5	1.21
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	5	1.21
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	3	1.21
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	3	1.21
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	3	1.21
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	3	1.21
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	4	1.21
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	4	1.21
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	4	1.21
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	4	1.21
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	7	1.21
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	12	1.21
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	12	1.21
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	6	1.21
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	6	1.21
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	6	1.21
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	6	1.21
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	6	1.21
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	6	1.21
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	8	1.21
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	8	1.21
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	8	1.21
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	8	1.21
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	8	1.21
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	8	1.21
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	8	1.2
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	8	1.2
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG2	16	1.2
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG3	16	1.2
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	11	1.2
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	11	1.2
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	11	1.2
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	11	1.2
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	11	1.2
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	11	1.2
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	11	1.2
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	11	1.2
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	11	1.2
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	5	1.2
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	5	1.2
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	5	1.2
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	5	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	5	1.2
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	5	1.2
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	19	1.2
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	19	1.2
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	19	1.2
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	4	1.2
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	12	1.2
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	12	1.2
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	12	1.2
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	14	1.2
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	14	1.2
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	14	1.2
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	14	1.2
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	16	1.2
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	16	1.2
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	16	1.2
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	16	1.2
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	16	1.2
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	16	1.2
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	8	1.2
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	11	1.2
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	15	1.2
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	18	1.2
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	14	1.2
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	6	1.2
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	6	1.2
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	6	1.2
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	6	1.2
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	6	1.2
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	6	1.2
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	12	1.2
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	2	1.2
(1,937)	1:83:A:VAL:H	1:84:A:ALA:H	16	1.2
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	11	1.2
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	11	1.2
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	15	1.2
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	15	1.2
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	7	1.2
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG21	17	1.2
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG22	17	1.2
(1,913)	1:71:A:ILE:H	1:71:A:ILE:HG23	17	1.2
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	13	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	13	1.2
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	13	1.2
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	19	1.2
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	19	1.2
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	5	1.2
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	17	1.2
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	17	1.2
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	18	1.2
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	18	1.2
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	18	1.2
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	18	1.2
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	18	1.2
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	18	1.2
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	10	1.2
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	13	1.2
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	13	1.2
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	13	1.2
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	13	1.2
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	13	1.2
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	13	1.2
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	9	1.19
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	9	1.19
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	3	1.19
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	3	1.19
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	3	1.19
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	3	1.19
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	3	1.19
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	3	1.19
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	18	1.19
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	16	1.19
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	16	1.19
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	3	1.19
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	3	1.19
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	3	1.19
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	3	1.19
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	3	1.19
(1,1132)	1:117:A:CYS:HB2	1:122:A:VAL:H	4	1.19
(1,1132)	1:117:A:CYS:HB3	1:122:A:VAL:H	4	1.19
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	15	1.19
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	15	1.19
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	15	1.19
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	15	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	15	1.19
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	15	1.19
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	20	1.19
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	20	1.19
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	20	1.19
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	20	1.19
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	20	1.19
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	20	1.19
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	1	1.19
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	6	1.19
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	9	1.19
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	12	1.19
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	16	1.19
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	18	1.19
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	4	1.19
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	4	1.19
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	18	1.19
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	18	1.19
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	1	1.19
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	1	1.19
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	3	1.19
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	3	1.19
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	14	1.19
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	14	1.19
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	8	1.19
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG2	8	1.19
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG3	8	1.19
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG2	15	1.19
(1,1009)	1:96:A:LYS:H	1:96:A:LYS:HG3	15	1.19
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	7	1.19
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	7	1.19
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	5	1.19
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	19	1.19
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	9	1.19
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	2	1.19
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	2	1.19
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	4	1.19
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	4	1.19
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	16	1.19
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	10	1.19
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	10	1.19
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	12	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	12	1.19
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	9	1.19
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	9	1.19
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	10	1.19
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	10	1.19
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	10	1.19
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	10	1.19
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	10	1.19
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	10	1.19
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	12	1.19
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	12	1.19
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	12	1.19
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	12	1.19
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	12	1.19
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	12	1.19
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	8	1.19
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	7	1.19
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	17	1.19
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	8	1.19
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	17	1.19
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	17	1.19
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	17	1.19
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	17	1.19
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	15	1.19
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	15	1.19
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	15	1.19
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	15	1.19
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	12	1.19
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	20	1.19
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	4	1.18
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	4	1.18
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	4	1.18
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	4	1.18
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	4	1.18
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	4	1.18
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	10	1.18
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	10	1.18
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	10	1.18
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	10	1.18
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	10	1.18
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	10	1.18
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	3	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	8	1.18
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	8	1.18
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	6	1.18
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	6	1.18
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	10	1.18
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	10	1.18
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	10	1.18
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	14	1.18
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	19	1.18
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	16	1.18
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	16	1.18
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	10	1.18
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	10	1.18
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	7	1.18
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	7	1.18
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	7	1.18
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	7	1.18
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	7	1.18
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	7	1.18
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	7	1.18
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	7	1.18
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	7	1.18
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	9	1.18
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	3	1.18
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	3	1.18
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	4	1.18
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	4	1.18
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	13	1.18
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	13	1.18
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	16	1.18
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	4	1.18
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	12	1.18
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	12	1.18
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	12	1.18
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	17	1.18
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	9	1.18
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	9	1.18
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	9	1.18
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	19	1.18
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	19	1.18
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	19	1.18
(1,828)	1:53:A:VAL:H	1:53:A:VAL:HB	7	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	14	1.18
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	14	1.18
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	15	1.18
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	11	1.18
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	14	1.18
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	3	1.18
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	7	1.18
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	7	1.18
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	7	1.18
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	7	1.18
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	16	1.18
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	16	1.18
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	16	1.18
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	10	1.18
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	10	1.18
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	10	1.18
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	10	1.18
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	14	1.18
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	14	1.18
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	14	1.18
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	14	1.18
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	16	1.18
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	16	1.18
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	16	1.18
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	16	1.18
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	4	1.18
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	6	1.18
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	1	1.18
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	1	1.18
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	17	1.18
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	17	1.18
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	17	1.18
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	17	1.18
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	17	1.18
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	17	1.18
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	8	1.17
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	12	1.17
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	10	1.17
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	10	1.17
(1,1229)	1:135:A:LYS:H	1:136:A:VAL:H	9	1.17
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	7	1.17
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	7	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG12	14	1.17
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG13	14	1.17
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG12	17	1.17
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG13	17	1.17
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	3	1.17
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	5	1.17
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	15	1.17
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	15	1.17
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	15	1.17
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	18	1.17
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	18	1.17
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	17	1.17
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	4	1.17
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	4	1.17
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	4	1.17
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	4	1.17
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	4	1.17
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	4	1.17
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	4	1.17
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	17	1.17
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	18	1.17
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	4	1.17
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	5	1.17
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	16	1.17
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	16	1.17
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	16	1.17
(1,894)	1:66:A:TYR:HA	1:67:A:GLU:H	19	1.17
(1,890)	1:65:A:TYR:H	1:66:A:TYR:H	6	1.17
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	2	1.17
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	14	1.17
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	17	1.17
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	17	1.17
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	4	1.17
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	6	1.17
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	20	1.17
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	9	1.17
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	9	1.17
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	9	1.17
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	9	1.17
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	15	1.17
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	17	1.17
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	16	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	16	1.17
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	18	1.16
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	18	1.16
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	17	1.16
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	17	1.16
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	17	1.16
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	5	1.16
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	13	1.16
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	13	1.16
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	13	1.16
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	20	1.16
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	20	1.16
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	20	1.16
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	20	1.16
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	20	1.16
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	20	1.16
(1,1153)	1:121:A:THR:HG21	1:122:A:VAL:H	2	1.16
(1,1153)	1:121:A:THR:HG22	1:122:A:VAL:H	2	1.16
(1,1153)	1:121:A:THR:HG23	1:122:A:VAL:H	2	1.16
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	3	1.16
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	3	1.16
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	3	1.16
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	17	1.16
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	17	1.16
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	17	1.16
(1,1132)	1:117:A:CYS:HB2	1:122:A:VAL:H	9	1.16
(1,1132)	1:117:A:CYS:HB3	1:122:A:VAL:H	9	1.16
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	9	1.16
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	9	1.16
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	6	1.16
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	14	1.16
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	3	1.16
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	3	1.16
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	9	1.16
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	9	1.16
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	2	1.16
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	20	1.16
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	20	1.16
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	1	1.16
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	12	1.16
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	2	1.16
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	2	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	20	1.16
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	11	1.16
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	13	1.16
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	13	1.16
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	13	1.16
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	20	1.16
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	20	1.16
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	20	1.16
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	4	1.16
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	7	1.16
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	19	1.16
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	3	1.16
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	12	1.16
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	16	1.16
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	4	1.16
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	19	1.16
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	19	1.16
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	19	1.16
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	2	1.16
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	2	1.16
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	2	1.16
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	2	1.16
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	2	1.16
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	2	1.16
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	19	1.16
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	19	1.16
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD11	15	1.16
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD12	15	1.16
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD13	15	1.16
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD21	15	1.16
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD22	15	1.16
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD23	15	1.16
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	13	1.15
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	13	1.15
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	13	1.15
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	13	1.15
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	13	1.15
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	13	1.15
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	13	1.15
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	20	1.15
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	20	1.15
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	7	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	7	1.15
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	7	1.15
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	10	1.15
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	10	1.15
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	10	1.15
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	15	1.15
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	15	1.15
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	15	1.15
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	20	1.15
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	20	1.15
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	20	1.15
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	8	1.15
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB2	3	1.15
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB3	3	1.15
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	13	1.15
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	13	1.15
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	13	1.15
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	4	1.15
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	4	1.15
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	4	1.15
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	11	1.15
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	11	1.15
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	11	1.15
(1,1137)	1:118:A:ASP:H	1:122:A:VAL:H	6	1.15
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	14	1.15
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	5	1.15
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	5	1.15
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	17	1.15
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	1	1.15
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	12	1.15
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	13	1.15
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	20	1.15
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	12	1.15
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	20	1.15
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	10	1.15
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	10	1.15
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	10	1.15
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	10	1.15
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	10	1.15
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	10	1.15
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	10	1.15
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	10	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	10	1.15
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	10	1.15
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	9	1.15
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	3	1.15
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	8	1.15
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	8	1.15
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	1	1.15
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	1	1.15
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	1	1.15
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	7	1.15
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	7	1.15
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	7	1.15
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	13	1.15
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	13	1.15
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	13	1.15
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	15	1.15
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	15	1.15
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	15	1.15
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	17	1.15
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	17	1.15
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	17	1.15
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	19	1.15
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	19	1.15
(1,894)	1:66:A:TYR:HA	1:67:A:GLU:H	9	1.15
(1,890)	1:65:A:TYR:H	1:66:A:TYR:H	3	1.15
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	1	1.15
(1,828)	1:53:A:VAL:H	1:53:A:VAL:HB	1	1.15
(1,828)	1:53:A:VAL:H	1:53:A:VAL:HB	10	1.15
(1,828)	1:53:A:VAL:H	1:53:A:VAL:HB	18	1.15
(1,795)	1:47:A:ILE:HG12	1:48:A:SER:H	3	1.15
(1,795)	1:47:A:ILE:HG13	1:48:A:SER:H	3	1.15
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	16	1.15
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	16	1.15
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	1	1.15
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	1	1.15
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	1	1.15
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	1	1.15
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	1	1.15
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	1	1.15
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	1	1.15
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	1	1.15
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	1	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	1	1.15
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	1	1.15
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	1	1.15
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	6	1.15
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	6	1.15
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	6	1.15
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	6	1.15
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	6	1.15
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	6	1.15
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	6	1.15
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	6	1.15
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	6	1.15
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	6	1.15
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	6	1.15
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	6	1.15
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	3	1.15
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	17	1.15
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	17	1.15
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	1	1.14
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	1	1.14
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	1	1.14
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	1	1.14
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	1	1.14
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	14	1.14
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	14	1.14
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	14	1.14
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	20	1.14
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	20	1.14
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	20	1.14
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	6	1.14
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	6	1.14
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	6	1.14
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	6	1.14
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	6	1.14
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	6	1.14
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	20	1.14
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	13	1.14
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	13	1.14
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	13	1.14
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	13	1.14
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	13	1.14
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	13	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	13	1.14
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	13	1.14
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	13	1.14
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	13	1.14
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	13	1.14
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	13	1.14
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	12	1.14
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	19	1.14
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	19	1.14
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	10	1.14
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	10	1.14
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	18	1.14
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	18	1.14
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	18	1.14
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	3	1.14
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	17	1.14
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	17	1.14
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	17	1.14
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	20	1.14
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	20	1.14
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	11	1.14
(1,894)	1:66:A:TYR:HA	1:67:A:GLU:H	5	1.14
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	10	1.14
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	10	1.14
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	8	1.14
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	10	1.14
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	19	1.14
(1,828)	1:53:A:VAL:H	1:53:A:VAL:HB	5	1.14
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	6	1.14
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	6	1.14
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	15	1.14
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	15	1.14
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	1	1.14
(1,751)	1:37:A:LEU:HA	1:40:A:GLN:H	2	1.14
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	18	1.14
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	18	1.14
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	18	1.14
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	18	1.14
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	18	1.14
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	18	1.14
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	18	1.14
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	18	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	18	1.14
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	18	1.14
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	18	1.14
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	18	1.14
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	13	1.14
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	2	1.14
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	2	1.14
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	2	1.14
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	2	1.14
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	12	1.14
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	12	1.14
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	12	1.14
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	12	1.14
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	3	1.14
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	2	1.14
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	1	1.14
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	1	1.14
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG2	4	1.14
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG3	4	1.14
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	18	1.14
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	18	1.14
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	5	1.13
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	17	1.13
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	2	1.13
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	2	1.13
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	11	1.13
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	15	1.13
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	15	1.13
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	15	1.13
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	4	1.13
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	7	1.13
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	2	1.13
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	2	1.13
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	3	1.13
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	10	1.13
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	8	1.13
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	11	1.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	20	1.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	20	1.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	20	1.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	20	1.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	20	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	20	1.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	20	1.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	20	1.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	20	1.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	20	1.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	20	1.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	20	1.13
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	20	1.13
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	16	1.13
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	16	1.13
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	16	1.13
(1,894)	1:66:A:TYR:HA	1:67:A:GLU:H	7	1.13
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	20	1.13
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	19	1.13
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	19	1.13
(1,828)	1:53:A:VAL:H	1:53:A:VAL:HB	15	1.13
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	2	1.13
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	2	1.13
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	2	1.13
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	2	1.13
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	2	1.13
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	2	1.13
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	2	1.13
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	2	1.13
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	2	1.13
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	2	1.13
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	2	1.13
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	2	1.13
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	16	1.13
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	16	1.13
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	16	1.13
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	16	1.13
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	16	1.13
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	16	1.13
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	16	1.13
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	16	1.13
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	16	1.13
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	16	1.13
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	16	1.13
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	16	1.13
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	6	1.13
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	3	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	3	1.13
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	3	1.13
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	2	1.13
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	2	1.13
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	2	1.13
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	20	1.13
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	11	1.13
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	11	1.13
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	10	1.13
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	10	1.13
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	11	1.13
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	11	1.13
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	16	1.13
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	16	1.13
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	17	1.13
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	17	1.13
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	18	1.12
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	18	1.12
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	18	1.12
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	18	1.12
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	18	1.12
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	18	1.12
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	3	1.12
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	3	1.12
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	3	1.12
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	3	1.12
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	3	1.12
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	3	1.12
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	13	1.12
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	13	1.12
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	15	1.12
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	15	1.12
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	10	1.12
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	15	1.12
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	15	1.12
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	3	1.12
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	3	1.12
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	3	1.12
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	2	1.12
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	2	1.12
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	2	1.12
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	19	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	19	1.12
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	19	1.12
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	2	1.12
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	12	1.12
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	16	1.12
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	17	1.12
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	17	1.12
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	17	1.12
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	17	1.12
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	17	1.12
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	17	1.12
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	17	1.12
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	17	1.12
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	17	1.12
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	17	1.12
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	17	1.12
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	17	1.12
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	13	1.12
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	13	1.12
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	13	1.12
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	13	1.12
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	13	1.12
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	13	1.12
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	3	1.12
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	3	1.12
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	3	1.12
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	3	1.12
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	3	1.12
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	3	1.12
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	3	1.12
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	3	1.12
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	3	1.12
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	2	1.12
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	6	1.12
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	18	1.12
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	7	1.12
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	7	1.12
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	7	1.12
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	7	1.12
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	7	1.12
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	7	1.12
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	7	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	7	1.12
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	7	1.12
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	19	1.12
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	19	1.12
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	19	1.12
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	19	1.12
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	19	1.12
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	19	1.12
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	19	1.12
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	19	1.12
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	19	1.12
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	5	1.12
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	5	1.12
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	5	1.12
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	12	1.12
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	12	1.12
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	12	1.12
(1,894)	1:66:A:TYR:HA	1:67:A:GLU:H	11	1.12
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	3	1.12
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	6	1.12
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	6	1.12
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	7	1.12
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	7	1.12
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	20	1.12
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	20	1.12
(1,698)	1:29:A:VAL:HB	1:30:A:VAL:H	8	1.12
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	16	1.11
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	16	1.11
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	16	1.11
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	16	1.11
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	16	1.11
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	16	1.11
(1,1229)	1:135:A:LYS:H	1:136:A:VAL:H	20	1.11
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	3	1.11
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	18	1.11
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	17	1.11
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	18	1.11
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	18	1.11
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	18	1.11
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	18	1.11
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	18	1.11
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	18	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	14	1.11
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	14	1.11
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	14	1.11
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	14	1.11
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	14	1.11
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	14	1.11
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	20	1.11
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	7	1.11
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	7	1.11
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	7	1.11
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	6	1.11
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	6	1.11
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	15	1.11
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	15	1.11
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	7	1.11
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	13	1.11
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	14	1.11
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	19	1.11
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	20	1.11
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	20	1.11
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	14	1.11
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	14	1.11
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	14	1.11
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	14	1.11
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	14	1.11
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	14	1.11
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	14	1.11
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	14	1.11
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	14	1.11
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	2	1.11
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	18	1.11
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	18	1.11
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	13	1.11
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	17	1.11
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	17	1.11
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	7	1.11
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	7	1.11
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	6	1.11
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	15	1.11
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	8	1.11
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	8	1.11
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	8	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	11	1.11
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	7	1.11
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	7	1.11
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	7	1.11
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	7	1.11
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	7	1.11
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	7	1.11
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	7	1.11
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	7	1.11
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	7	1.11
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	7	1.11
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	7	1.11
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	7	1.11
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	1	1.11
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	8	1.11
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	8	1.11
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	8	1.11
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	14	1.11
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	14	1.11
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	3	1.11
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	3	1.11
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	17	1.11
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	17	1.11
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	19	1.11
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	19	1.11
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD11	16	1.11
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD12	16	1.11
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD13	16	1.11
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD21	16	1.11
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD22	16	1.11
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD23	16	1.11
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	12	1.1
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	12	1.1
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	12	1.1
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	12	1.1
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	12	1.1
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	12	1.1
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	4	1.1
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	4	1.1
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	12	1.1
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	12	1.1
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG12	2	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG13	2	1.1
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	4	1.1
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	4	1.1
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	4	1.1
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	9	1.1
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	9	1.1
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	9	1.1
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	14	1.1
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	14	1.1
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	14	1.1
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	19	1.1
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	9	1.1
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	9	1.1
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	9	1.1
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	10	1.1
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	13	1.1
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	13	1.1
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	13	1.1
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	8	1.1
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	8	1.1
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	8	1.1
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	9	1.1
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	9	1.1
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	9	1.1
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	3	1.1
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	3	1.1
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	3	1.1
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	3	1.1
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	3	1.1
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	3	1.1
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	3	1.1
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	3	1.1
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	3	1.1
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	8	1.1
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	8	1.1
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	8	1.1
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	8	1.1
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	8	1.1
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	8	1.1
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	8	1.1
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	8	1.1
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	8	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	9	1.1
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	9	1.1
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	9	1.1
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	9	1.1
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	9	1.1
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	9	1.1
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	9	1.1
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	9	1.1
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	9	1.1
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	4	1.1
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	6	1.1
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	11	1.1
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	17	1.1
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	17	1.1
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE2	2	1.1
(1,852)	1:60:A:LYS:H	1:60:A:LYS:HE3	2	1.1
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	8	1.1
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	5	1.1
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	5	1.1
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	1	1.1
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	1	1.1
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	1	1.1
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	1	1.1
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	1	1.1
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	1	1.1
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	2	1.1
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	3	1.1
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	3	1.1
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	3	1.1
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	3	1.1
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	8	1.1
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG2	7	1.1
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG3	7	1.1
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	17	1.09
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	17	1.09
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	4	1.09
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	17	1.09
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	17	1.09
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	17	1.09
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	17	1.09
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	17	1.09
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	17	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	5	1.09
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	5	1.09
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	11	1.09
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	11	1.09
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	11	1.09
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	20	1.09
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	20	1.09
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	20	1.09
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	9	1.09
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	9	1.09
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	9	1.09
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	10	1.09
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	10	1.09
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	10	1.09
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	6	1.09
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	13	1.09
(1,1118)	1:114:A:GLU:HA	1:115:A:GLY:H	17	1.09
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	4	1.09
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	18	1.09
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	11	1.09
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG2	20	1.09
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG3	20	1.09
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	4	1.09
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	5	1.09
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	8	1.09
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	11	1.09
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	15	1.09
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	16	1.09
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	2	1.09
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	2	1.09
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	12	1.09
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	12	1.09
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	12	1.09
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	12	1.09
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	12	1.09
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	12	1.09
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	12	1.09
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	12	1.09
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	12	1.09
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	15	1.09
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	15	1.09
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	15	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	1	1.09
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	1	1.09
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	1	1.09
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	1	1.09
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	1	1.09
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	1	1.09
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	1	1.09
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	1	1.09
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	1	1.09
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	1	1.09
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	1	1.09
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	1	1.09
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	1	1.09
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	2	1.09
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	13	1.09
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	3	1.09
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	3	1.09
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	3	1.09
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	12	1.09
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	17	1.09
(1,828)	1:53:A:VAL:H	1:53:A:VAL:HB	4	1.09
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	17	1.09
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	17	1.09
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	11	1.09
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	11	1.09
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	18	1.09
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	12	1.09
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	12	1.09
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	12	1.09
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	6	1.09
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	12	1.09
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	18	1.09
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	18	1.09
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	2	1.08
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	6	1.08
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	16	1.08
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	17	1.08
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	17	1.08
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB2	9	1.08
(1,1218)	1:133:A:ARG:H	1:137:A:GLN:HB3	9	1.08
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	12	1.08
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	12	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	12	1.08
(1,1127)	1:116:A:VAL:HG11	1:117:A:CYS:H	5	1.08
(1,1127)	1:116:A:VAL:HG12	1:117:A:CYS:H	5	1.08
(1,1127)	1:116:A:VAL:HG13	1:117:A:CYS:H	5	1.08
(1,1127)	1:116:A:VAL:HG21	1:117:A:CYS:H	5	1.08
(1,1127)	1:116:A:VAL:HG22	1:117:A:CYS:H	5	1.08
(1,1127)	1:116:A:VAL:HG23	1:117:A:CYS:H	5	1.08
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	19	1.08
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	1	1.08
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	1	1.08
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	1	1.08
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	1	1.08
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	1	1.08
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	1	1.08
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	1	1.08
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	1	1.08
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	1	1.08
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	1	1.08
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	1	1.08
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	1	1.08
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	12	1.08
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	12	1.08
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	1	1.08
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	2	1.08
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	2	1.08
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	2	1.08
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	2	1.08
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	2	1.08
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	2	1.08
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	17	1.08
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	17	1.08
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	1	1.08
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	1	1.08
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	1	1.08
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	1	1.08
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	17	1.08
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	17	1.08
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	20	1.08
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	20	1.08
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	20	1.08
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	20	1.08
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	6	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	6	1.08
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	6	1.08
(1,828)	1:53:A:VAL:H	1:53:A:VAL:HB	2	1.08
(1,828)	1:53:A:VAL:H	1:53:A:VAL:HB	6	1.08
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	5	1.08
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	5	1.08
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	5	1.08
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	5	1.08
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	5	1.08
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	5	1.08
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	5	1.08
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	5	1.08
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	5	1.08
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	5	1.08
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	5	1.08
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	5	1.08
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	14	1.08
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	14	1.08
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	14	1.08
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	14	1.08
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	14	1.08
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	14	1.08
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	14	1.08
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	14	1.08
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	14	1.08
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	14	1.08
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	14	1.08
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	14	1.08
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	13	1.08
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	13	1.08
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	13	1.08
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	20	1.08
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	20	1.08
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	20	1.08
(1,256)	1:65:A:TYR:H	1:65:A:TYR:HD2	6	1.08
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	20	1.07
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	20	1.07
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	20	1.07
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	20	1.07
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	6	1.07
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	6	1.07
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	6	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	6	1.07
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	6	1.07
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	6	1.07
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	7	1.07
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	7	1.07
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	7	1.07
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	14	1.07
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	14	1.07
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	14	1.07
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	19	1.07
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	19	1.07
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	19	1.07
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	19	1.07
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	7	1.07
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	7	1.07
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	16	1.07
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	16	1.07
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	16	1.07
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	2	1.07
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	9	1.07
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	9	1.07
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	9	1.07
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	9	1.07
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	9	1.07
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	9	1.07
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	9	1.07
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	9	1.07
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	9	1.07
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	9	1.07
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	9	1.07
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	9	1.07
(1,1021)	1:98:A:GLN:HA	1:99:A:ASN:H	17	1.07
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	7	1.07
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	7	1.07
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	18	1.07
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	18	1.07
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	12	1.07
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	13	1.07
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	12	1.07
(1,901)	1:68:A:THR:HA	1:69:A:GLY:H	19	1.07
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	11	1.07
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	11	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	16	1.07
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	16	1.07
(1,828)	1:53:A:VAL:H	1:53:A:VAL:HB	13	1.07
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	9	1.07
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	9	1.07
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	13	1.07
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	11	1.07
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	11	1.07
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	11	1.07
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	3	1.07
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	13	1.06
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	13	1.06
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	14	1.06
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	14	1.06
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	14	1.06
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	14	1.06
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG2	3	1.06
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG3	3	1.06
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG2	4	1.06
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG3	4	1.06
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	11	1.06
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	5	1.06
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	5	1.06
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	5	1.06
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	5	1.06
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	5	1.06
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	5	1.06
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	9	1.06
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	9	1.06
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	9	1.06
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	9	1.06
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	9	1.06
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	9	1.06
(1,1232)	1:135:A:LYS:HD2	1:136:A:VAL:H	19	1.06
(1,1232)	1:135:A:LYS:HD3	1:136:A:VAL:H	19	1.06
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	14	1.06
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	15	1.06
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	16	1.06
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	16	1.06
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	16	1.06
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	16	1.06
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	15	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	1	1.06
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	1	1.06
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	1	1.06
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	1	1.06
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	1	1.06
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	4	1.06
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	4	1.06
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	4	1.06
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	18	1.06
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	18	1.06
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	18	1.06
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	3	1.06
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	3	1.06
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	8	1.06
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	8	1.06
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	10	1.06
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	8	1.06
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	8	1.06
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	8	1.06
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	8	1.06
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	4	1.06
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	4	1.06
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	6	1.06
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	19	1.06
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	1	1.06
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	1	1.06
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	6	1.06
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	15	1.06
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	15	1.06
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	10	1.06
(1,908)	1:70:A:SER:HB2	1:72:A:ARG:H	5	1.06
(1,908)	1:70:A:SER:HB3	1:72:A:ARG:H	5	1.06
(1,901)	1:68:A:THR:HA	1:69:A:GLY:H	7	1.06
(1,901)	1:68:A:THR:HA	1:69:A:GLY:H	16	1.06
(1,901)	1:68:A:THR:HA	1:69:A:GLY:H	18	1.06
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	10	1.06
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	10	1.06
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	10	1.06
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	20	1.06
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	17	1.06
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	17	1.06
(1,828)	1:53:A:VAL:H	1:53:A:VAL:HB	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:53:A:VAL:H	1:53:A:VAL:HB	14	1.06
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	2	1.06
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	20	1.06
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	20	1.06
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	8	1.06
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	8	1.06
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	11	1.06
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	11	1.06
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	11	1.06
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	11	1.06
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	11	1.06
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	11	1.06
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	11	1.06
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	11	1.06
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	11	1.06
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	11	1.06
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	11	1.06
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	11	1.06
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	3	1.06
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	4	1.06
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	18	1.06
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	15	1.06
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	18	1.06
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	18	1.06
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	10	1.06
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	16	1.06
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	16	1.06
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	16	1.06
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	16	1.06
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	9	1.06
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	9	1.06
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	9	1.06
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	8	1.06
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	8	1.06
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	8	1.06
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	8	1.06
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	2	1.06
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	16	1.05
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	16	1.05
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	16	1.05
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	16	1.05
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	8	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	8	1.05
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	8	1.05
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	8	1.05
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	8	1.05
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	8	1.05
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	20	1.05
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	8	1.05
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	8	1.05
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	5	1.05
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	5	1.05
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	5	1.05
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	15	1.05
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	9	1.05
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	9	1.05
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	14	1.05
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	15	1.05
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	5	1.05
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	10	1.05
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	15	1.05
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	5	1.05
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	6	1.05
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	17	1.05
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	17	1.05
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	17	1.05
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	7	1.05
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	7	1.05
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	13	1.05
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	13	1.05
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	17	1.05
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	17	1.05
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	15	1.05
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	15	1.05
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	15	1.05
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	15	1.05
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	15	1.05
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	15	1.05
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	15	1.05
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	15	1.05
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	15	1.05
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	10	1.05
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	17	1.05
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	4	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:68:A:THR:HA	1:69:A:GLY:H	12	1.05
(1,901)	1:68:A:THR:HA	1:69:A:GLY:H	15	1.05
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	5	1.05
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	16	1.05
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	8	1.05
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	10	1.05
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	19	1.05
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	6	1.05
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	6	1.05
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	6	1.05
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	11	1.05
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	1	1.05
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	1	1.05
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	2	1.05
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	2	1.05
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	11	1.05
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	11	1.05
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	16	1.05
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	10	1.05
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	10	1.05
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	1	1.05
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	12	1.05
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	12	1.05
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	12	1.05
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	17	1.05
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	6	1.04
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	6	1.04
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	6	1.04
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	6	1.04
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	3	1.04
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	3	1.04
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG2	6	1.04
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG3	6	1.04
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	20	1.04
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	20	1.04
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	20	1.04
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	20	1.04
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	20	1.04
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	20	1.04
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	10	1.04
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	10	1.04
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	10	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	17	1.04
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	17	1.04
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	17	1.04
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG12	16	1.04
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG13	16	1.04
(1,1149)	1:121:A:THR:H	1:121:A:THR:HG1	8	1.04
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	9	1.04
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	10	1.04
(1,1132)	1:117:A:CYS:HB2	1:122:A:VAL:H	3	1.04
(1,1132)	1:117:A:CYS:HB3	1:122:A:VAL:H	3	1.04
(1,1132)	1:117:A:CYS:HB2	1:122:A:VAL:H	7	1.04
(1,1132)	1:117:A:CYS:HB3	1:122:A:VAL:H	7	1.04
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	3	1.04
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	6	1.04
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	9	1.04
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	12	1.04
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	17	1.04
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	18	1.04
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	20	1.04
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	6	1.04
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	6	1.04
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	6	1.04
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	6	1.04
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	6	1.04
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	6	1.04
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	6	1.04
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	6	1.04
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	6	1.04
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	6	1.04
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	6	1.04
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	6	1.04
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	7	1.04
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	1	1.04
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	1	1.04
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	1	1.04
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	1	1.04
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	1	1.04
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	1	1.04
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	6	1.04
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	6	1.04
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	6	1.04
(1,1032)	1:101:A:THR:HA	1:102:A:MET:H	9	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	15	1.04
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	7	1.04
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	7	1.04
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	3	1.04
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	3	1.04
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	7	1.04
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	8	1.04
(1,901)	1:68:A:THR:HA	1:69:A:GLY:H	5	1.04
(1,901)	1:68:A:THR:HA	1:69:A:GLY:H	20	1.04
(1,894)	1:66:A:TYR:HA	1:67:A:GLU:H	12	1.04
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	1	1.04
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	13	1.04
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	16	1.04
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	17	1.04
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	20	1.04
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	20	1.04
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	4	1.04
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	4	1.04
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	20	1.04
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	12	1.04
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	12	1.04
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	20	1.04
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	9	1.04
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	10	1.04
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	10	1.04
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	10	1.04
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	10	1.04
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	10	1.04
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	10	1.04
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	10	1.04
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	10	1.04
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	10	1.04
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	10	1.04
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	10	1.04
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	10	1.04
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	7	1.04
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	9	1.04
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	14	1.04
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	15	1.04
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	9	1.04
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	7	1.04
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	7	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	2	1.03
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	2	1.03
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	2	1.03
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	15	1.03
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	15	1.03
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	15	1.03
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	9	1.03
(1,1149)	1:121:A:THR:H	1:121:A:THR:HG1	17	1.03
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	19	1.03
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	3	1.03
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	1	1.03
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	4	1.03
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	8	1.03
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	11	1.03
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	16	1.03
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	7	1.03
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	2	1.03
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	2	1.03
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	2	1.03
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	14	1.03
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	14	1.03
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	14	1.03
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	16	1.03
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	16	1.03
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	16	1.03
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	16	1.03
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	16	1.03
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	16	1.03
(1,1032)	1:101:A:THR:HA	1:102:A:MET:H	15	1.03
(1,1032)	1:101:A:THR:HA	1:102:A:MET:H	18	1.03
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	19	1.03
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	19	1.03
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	19	1.03
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	19	1.03
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	16	1.03
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	16	1.03
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	3	1.03
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	13	1.03
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	13	1.03
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	18	1.03
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	18	1.03
(1,919)	1:74:A:GLY:H	1:75:A:VAL:H	15	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,903)	1:69:A:GLY:H	1:70:A:SER:H	8	1.03
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	18	1.03
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	6	1.03
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	10	1.03
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	10	1.03
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	10	1.03
(1,828)	1:53:A:VAL:H	1:53:A:VAL:HB	11	1.03
(1,828)	1:53:A:VAL:H	1:53:A:VAL:HB	20	1.03
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	4	1.03
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	4	1.03
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	20	1.03
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	20	1.03
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	11	1.03
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	8	1.03
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	13	1.03
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	3	1.03
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	3	1.03
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	3	1.03
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	3	1.03
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	3	1.03
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	3	1.03
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	3	1.03
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	3	1.03
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	3	1.03
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	3	1.03
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	3	1.03
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	3	1.03
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	2	1.03
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	5	1.03
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	6	1.03
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	10	1.03
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	11	1.03
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	13	1.03
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	16	1.03
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	17	1.03
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	19	1.03
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	20	1.03
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	19	1.03
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	17	1.03
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	17	1.03
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	17	1.03
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	17	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	8	1.03
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	8	1.03
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	8	1.03
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	8	1.03
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	8	1.03
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	8	1.03
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	13	1.03
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	19	1.02
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	19	1.02
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	19	1.02
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	19	1.02
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	15	1.02
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	15	1.02
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	15	1.02
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	15	1.02
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	15	1.02
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	15	1.02
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	2	1.02
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	2	1.02
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	2	1.02
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	2	1.02
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	2	1.02
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	2	1.02
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	8	1.02
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	17	1.02
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	18	1.02
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	2	1.02
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	2	1.02
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	2	1.02
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	2	1.02
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	2	1.02
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	2	1.02
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	17	1.02
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	17	1.02
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	17	1.02
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	17	1.02
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	17	1.02
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	17	1.02
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	2	1.02
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	7	1.02
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	11	1.02
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	14	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	11	1.02
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	11	1.02
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	20	1.02
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	20	1.02
(1,1032)	1:101:A:THR:HA	1:102:A:MET:H	5	1.02
(1,1032)	1:101:A:THR:HA	1:102:A:MET:H	11	1.02
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	9	1.02
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	20	1.02
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	20	1.02
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	20	1.02
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	3	1.02
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	9	1.02
(1,901)	1:68:A:THR:HA	1:69:A:GLY:H	6	1.02
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	7	1.02
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	9	1.02
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	3	1.02
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	3	1.02
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	3	1.02
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	3	1.02
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	3	1.02
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	3	1.02
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	16	1.02
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	6	1.02
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	16	1.02
(1,801)	1:48:A:SER:HB2	1:49:A:ARG:H	12	1.02
(1,801)	1:48:A:SER:HB3	1:49:A:ARG:H	12	1.02
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	12	1.02
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	12	1.02
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	3	1.02
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	3	1.02
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	3	1.02
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	3	1.02
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	3	1.02
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	3	1.02
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	2	1.02
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	2	1.02
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	7	1.02
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	12	1.02
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	14	1.02
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	15	1.02
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	4	1.02
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	4	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	4	1.02
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	4	1.02
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	4	1.02
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	4	1.02
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	4	1.02
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	4	1.02
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	4	1.02
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	4	1.02
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	4	1.02
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	4	1.02
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	12	1.02
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	12	1.02
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	12	1.02
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	12	1.02
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	12	1.02
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	12	1.02
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	12	1.02
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	12	1.02
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	12	1.02
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	12	1.02
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	12	1.02
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	12	1.02
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	19	1.02
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	19	1.02
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	19	1.02
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	19	1.02
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	19	1.02
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	19	1.02
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	19	1.02
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	19	1.02
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	19	1.02
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	19	1.02
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	19	1.02
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	19	1.02
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	12	1.02
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	18	1.02
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	7	1.01
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	7	1.01
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	13	1.01
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	13	1.01
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	13	1.01
(1,1173)	1:128:A:ILE:H	1:128:A:ILE:HB	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	14	1.01
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	14	1.01
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	11	1.01
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	11	1.01
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	13	1.01
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	8	1.01
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	14	1.01
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	14	1.01
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	14	1.01
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	14	1.01
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	14	1.01
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	14	1.01
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	14	1.01
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	14	1.01
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	14	1.01
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	14	1.01
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	14	1.01
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	14	1.01
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	9	1.01
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	17	1.01
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	11	1.01
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	11	1.01
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	11	1.01
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	20	1.01
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	20	1.01
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	20	1.01
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	20	1.01
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	20	1.01
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	20	1.01
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	5	1.01
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	5	1.01
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	5	1.01
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	5	1.01
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	5	1.01
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	5	1.01
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	5	1.01
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	5	1.01
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	5	1.01
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	14	1.01
(1,1032)	1:101:A:THR:HA	1:102:A:MET:H	1	1.01
(1,1032)	1:101:A:THR:HA	1:102:A:MET:H	4	1.01
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	14	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	14	1.01
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	11	1.01
(1,901)	1:68:A:THR:HA	1:69:A:GLY:H	14	1.01
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	19	1.01
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	19	1.01
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	19	1.01
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	4	1.01
(1,831)	1:53:A:VAL:HB	1:54:A:SER:H	12	1.01
(1,828)	1:53:A:VAL:H	1:53:A:VAL:HB	3	1.01
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	10	1.01
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	10	1.01
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	14	1.01
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	1	1.01
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	1	1.01
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	5	1.01
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	5	1.01
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	20	1.01
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	20	1.01
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	2	1.01
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	4	1.01
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	6	1.01
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	16	1.01
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	17	1.01
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	19	1.01
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	9	1.01
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	9	1.01
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	9	1.01
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	9	1.01
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	9	1.01
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	9	1.01
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	9	1.01
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	9	1.01
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	9	1.01
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	9	1.01
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	9	1.01
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	9	1.01
(1,740)	1:35:A:VAL:HA	1:36:A:ASP:H	8	1.01
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	7	1.01
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	7	1.01
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	7	1.01
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	7	1.01
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	13	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	13	1.01
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	12	1.01
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	12	1.01
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	12	1.0
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	12	1.0
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	17	1.0
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	17	1.0
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	16	1.0
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	16	1.0
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	11	1.0
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	1	1.0
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	16	1.0
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	2	1.0
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	19	1.0
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	20	1.0
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG21	18	1.0
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG22	18	1.0
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG23	18	1.0
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	13	1.0
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	20	1.0
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	17	1.0
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	17	1.0
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	17	1.0
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	19	1.0
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	18	1.0
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	18	1.0
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	18	1.0
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	18	1.0
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	18	1.0
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	18	1.0
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	18	1.0
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	18	1.0
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	18	1.0
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	18	1.0
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	18	1.0
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	18	1.0
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	5	1.0
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	10	1.0
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	20	1.0
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	3	1.0
(1,1032)	1:101:A:THR:HA	1:102:A:MET:H	12	1.0
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	1	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	4	1.0
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	13	1.0
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	13	1.0
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	13	1.0
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	13	1.0
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	13	1.0
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	13	1.0
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	14	1.0
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	10	1.0
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	12	1.0
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	2	1.0
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	10	1.0
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	15	1.0
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	16	1.0
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	5	1.0
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	10	1.0
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	11	1.0
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	15	1.0
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	15	1.0
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	15	1.0
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	15	1.0
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	15	1.0
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	15	1.0
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	15	1.0
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	15	1.0
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	15	1.0
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	15	1.0
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	15	1.0
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	15	1.0
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	17	1.0
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	13	1.0
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB2	14	1.0
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB3	14	1.0
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB2	8	1.0
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB3	8	1.0
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	1	0.99
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	1	0.99
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	1	0.99
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	1	0.99
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	1	0.99
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	1	0.99
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	2	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	2	0.99
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	5	0.99
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	5	0.99
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG12	2	0.99
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG13	2	0.99
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	6	0.99
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	16	0.99
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	2	0.99
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	8	0.99
(1,1111)	1:113:A:ALA:HA	1:114:A:GLU:H	14	0.99
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	3	0.99
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	11	0.99
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	9	0.99
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	9	0.99
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	6	0.99
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	1	0.99
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	1	0.99
(1,1032)	1:101:A:THR:HA	1:102:A:MET:H	3	0.99
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	11	0.99
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	5	0.99
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	5	0.99
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	5	0.99
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	5	0.99
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	5	0.99
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	5	0.99
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	15	0.99
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	15	0.99
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	15	0.99
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	15	0.99
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	11	0.99
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	5	0.99
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	15	0.99
(1,905)	1:70:A:SER:H	1:70:A:SER:HB2	15	0.99
(1,905)	1:70:A:SER:H	1:70:A:SER:HB3	15	0.99
(1,903)	1:69:A:GLY:H	1:70:A:SER:H	11	0.99
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	5	0.99
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	5	0.99
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	10	0.99
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	10	0.99
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	12	0.99
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	11	0.99
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	11	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	11	0.99
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	8	0.99
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	10	0.99
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	8	0.99
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	8	0.99
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	1	0.99
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	1	0.99
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	8	0.99
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	9	0.99
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	18	0.99
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	20	0.99
(1,731)	1:34:A:ILE:HA	1:38:A:ALA:H	20	0.99
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	5	0.99
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	5	0.99
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	5	0.99
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	15	0.99
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	14	0.99
(1,256)	1:65:A:TYR:H	1:65:A:TYR:HD2	13	0.99
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	13	0.98
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	5	0.98
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	10	0.98
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	13	0.98
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	3	0.98
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	4	0.98
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	7	0.98
(1,1109)	1:112:A:LEU:HG	1:113:A:ALA:H	20	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	5	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	5	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	5	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	5	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	5	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	5	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	5	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	5	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	5	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	5	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	5	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	5	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	16	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	16	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	16	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	16	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	16	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	16	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	16	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	16	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	16	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	16	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	16	0.98
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	16	0.98
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	1	0.98
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	1	0.98
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	1	0.98
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	1	0.98
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	8	0.98
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	4	0.98
(1,1032)	1:101:A:THR:HA	1:102:A:MET:H	10	0.98
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	12	0.98
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	12	0.98
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	13	0.98
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	13	0.98
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	13	0.98
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	13	0.98
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	14	0.98
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	6	0.98
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	6	0.98
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	6	0.98
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	6	0.98
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	6	0.98
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	6	0.98
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	6	0.98
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	6	0.98
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	6	0.98
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	6	0.98
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	6	0.98
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	6	0.98
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	17	0.98
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	7	0.98
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	7	0.98
(1,903)	1:69:A:GLY:H	1:70:A:SER:H	10	0.98
(1,900)	1:68:A:THR:H	1:69:A:GLY:H	10	0.98
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	3	0.98
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	3	0.98
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	2	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	13	0.98
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	15	0.98
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	1	0.98
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	9	0.98
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	14	0.98
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	17	0.98
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	20	0.98
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	2	0.98
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	16	0.98
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	16	0.98
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	4	0.98
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	4	0.98
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	6	0.98
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	6	0.98
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	15	0.98
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	15	0.98
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	4	0.98
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	6	0.98
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	16	0.98
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	1	0.98
(1,750)	1:37:A:LEU:HA	1:38:A:ALA:H	3	0.98
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	8	0.98
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	8	0.98
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	8	0.98
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	8	0.98
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	8	0.98
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	8	0.98
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	8	0.98
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	8	0.98
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	8	0.98
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	8	0.98
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	8	0.98
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	8	0.98
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	5	0.98
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	3	0.98
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB2	2	0.98
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB3	2	0.98
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	11	0.97
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	11	0.97
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	4	0.97
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	4	0.97
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	13	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	13	0.97
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	17	0.97
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	17	0.97
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	7	0.97
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	1	0.97
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	12	0.97
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	7	0.97
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	7	0.97
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	8	0.97
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	8	0.97
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	19	0.97
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	19	0.97
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	19	0.97
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	7	0.97
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	7	0.97
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	7	0.97
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	7	0.97
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	12	0.97
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	19	0.97
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	19	0.97
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	19	0.97
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	19	0.97
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	19	0.97
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	19	0.97
(1,1040)	1:102:A:MET:HE1	1:106:A:GLU:H	2	0.97
(1,1040)	1:102:A:MET:HE2	1:106:A:GLU:H	2	0.97
(1,1040)	1:102:A:MET:HE3	1:106:A:GLU:H	2	0.97
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	20	0.97
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	20	0.97
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	15	0.97
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	15	0.97
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	15	0.97
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	15	0.97
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	15	0.97
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	15	0.97
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	8	0.97
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	8	0.97
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	8	0.97
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	8	0.97
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	8	0.97
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	8	0.97
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	7	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	9	0.97
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	11	0.97
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	17	0.97
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	12	0.97
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	15	0.97
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	15	0.97
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	15	0.97
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	15	0.97
(1,919)	1:74:A:GLY:H	1:75:A:VAL:H	2	0.97
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	6	0.97
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	4	0.97
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	4	0.97
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	11	0.97
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	17	0.97
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	16	0.97
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	16	0.97
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	20	0.97
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	20	0.97
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	20	0.97
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	20	0.97
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	20	0.97
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	20	0.97
(1,743)	1:35:A:VAL:HG11	1:36:A:ASP:H	20	0.97
(1,743)	1:35:A:VAL:HG12	1:36:A:ASP:H	20	0.97
(1,743)	1:35:A:VAL:HG13	1:36:A:ASP:H	20	0.97
(1,743)	1:35:A:VAL:HG21	1:36:A:ASP:H	20	0.97
(1,743)	1:35:A:VAL:HG22	1:36:A:ASP:H	20	0.97
(1,743)	1:35:A:VAL:HG23	1:36:A:ASP:H	20	0.97
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	9	0.97
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	9	0.97
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	9	0.97
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	9	0.97
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	1	0.97
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB2	8	0.97
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB3	8	0.97
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB2	18	0.97
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB3	18	0.97
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	4	0.96
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	4	0.96
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	4	0.96
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	4	0.96
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	8	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	8	0.96
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	8	0.96
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	8	0.96
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	5	0.96
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	5	0.96
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	13	0.96
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	13	0.96
(1,1185)	1:128:A:ILE:HD11	1:129:A:ASN:H	16	0.96
(1,1185)	1:128:A:ILE:HD12	1:129:A:ASN:H	16	0.96
(1,1185)	1:128:A:ILE:HD13	1:129:A:ASN:H	16	0.96
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	1	0.96
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	4	0.96
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	11	0.96
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	18	0.96
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	8	0.96
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	8	0.96
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	9	0.96
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	3	0.96
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	3	0.96
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	3	0.96
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	14	0.96
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	14	0.96
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	2	0.96
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	2	0.96
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	7	0.96
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	7	0.96
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	7	0.96
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	7	0.96
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	7	0.96
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	7	0.96
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	20	0.96
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	17	0.96
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	3	0.96
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	4	0.96
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	7	0.96
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	19	0.96
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	19	0.96
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	19	0.96
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	19	0.96
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	19	0.96
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	19	0.96
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	4	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	4	0.96
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	5	0.96
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	5	0.96
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	7	0.96
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	7	0.96
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	7	0.96
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	15	0.96
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	15	0.96
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	15	0.96
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	3	0.96
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	5	0.96
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	5	0.96
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	5	0.96
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	5	0.96
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	2	0.96
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	3	0.96
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	6	0.96
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	12	0.96
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	18	0.96
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	10	0.96
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	10	0.96
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	7	0.96
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	7	0.96
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	17	0.96
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	1	0.96
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	19	0.96
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	11	0.96
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	11	0.96
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB2	9	0.96
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB3	9	0.96
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	19	0.95
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	19	0.95
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	2	0.95
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	7	0.95
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	7	0.95
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	7	0.95
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	17	0.95
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	12	0.95
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	9	0.95
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	7	0.95
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	14	0.95
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	14	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	14	0.95
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	14	0.95
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	14	0.95
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	14	0.95
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	14	0.95
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	14	0.95
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	14	0.95
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	20	0.95
(1,1032)	1:101:A:THR:HA	1:102:A:MET:H	7	0.95
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	5	0.95
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	5	0.95
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	3	0.95
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	17	0.95
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	17	0.95
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	17	0.95
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	5	0.95
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	6	0.95
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	11	0.95
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	16	0.95
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	16	0.95
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	16	0.95
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	16	0.95
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	16	0.95
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	16	0.95
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG2	8	0.95
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG3	8	0.95
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	14	0.95
(1,868)	1:61:A:ILE:HG21	1:62:A:LEU:H	1	0.95
(1,868)	1:61:A:ILE:HG22	1:62:A:LEU:H	1	0.95
(1,868)	1:61:A:ILE:HG23	1:62:A:LEU:H	1	0.95
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	2	0.95
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	2	0.95
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	2	0.95
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	12	0.95
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	12	0.95
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	12	0.95
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	2	0.95
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	19	0.95
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	7	0.95
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	7	0.95
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	8	0.95
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	8	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	4	0.95
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	7	0.95
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	8	0.95
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	13	0.95
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	19	0.95
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	8	0.95
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	8	0.95
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	2	0.95
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	5	0.95
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	12	0.95
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE21	10	0.95
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE22	10	0.95
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	16	0.95
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB2	7	0.95
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB3	7	0.95
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD2	20	0.94
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD3	20	0.94
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD2	20	0.94
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD3	20	0.94
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	3	0.94
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB2	7	0.94
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB3	7	0.94
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB2	19	0.94
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB3	19	0.94
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	3	0.94
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	8	0.94
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	15	0.94
(1,1142)	1:119:A:ASN:HA	1:120:A:ASP:H	5	0.94
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	6	0.94
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	6	0.94
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	6	0.94
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	11	0.94
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	11	0.94
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	4	0.94
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	12	0.94
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	12	0.94
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	12	0.94
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	20	0.94
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	20	0.94
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	20	0.94
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	19	0.94
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	11	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	11	0.94
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	11	0.94
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	11	0.94
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	11	0.94
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	11	0.94
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	19	0.94
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	19	0.94
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	19	0.94
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	13	0.94
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	13	0.94
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	1	0.94
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	2	0.94
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	9	0.94
(1,905)	1:70:A:SER:H	1:70:A:SER:HB2	20	0.94
(1,905)	1:70:A:SER:H	1:70:A:SER:HB3	20	0.94
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	9	0.94
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	18	0.94
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	5	0.94
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	15	0.94
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	18	0.94
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	18	0.94
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	10	0.94
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	18	0.94
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB2	4	0.94
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB3	4	0.94
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	1	0.93
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	1	0.93
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	10	0.93
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	10	0.93
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	16	0.93
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	16	0.93
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	11	0.93
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	11	0.93
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD11	8	0.93
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD12	8	0.93
(1,1211)	1:132:A:ILE:H	1:132:A:ILE:HD13	8	0.93
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG12	16	0.93
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG13	16	0.93
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	4	0.93
(1,1132)	1:117:A:CYS:HB2	1:122:A:VAL:H	11	0.93
(1,1132)	1:117:A:CYS:HB3	1:122:A:VAL:H	11	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	3	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	3	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	3	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	3	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	3	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	3	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	3	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	3	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	3	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	3	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	3	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	3	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	4	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	4	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	4	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	4	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	4	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	4	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	4	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	4	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	4	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	4	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	4	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	4	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	7	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	7	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	7	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	7	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	7	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	7	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	7	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	7	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	7	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	7	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	7	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	7	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	8	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	8	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	8	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	8	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	8	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	8	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	8	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	8	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	8	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	8	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	8	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	8	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	12	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	12	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	12	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	12	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	12	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	12	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	12	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	12	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	12	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	12	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	12	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	12	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	15	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	15	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	15	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	15	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	15	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	15	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	15	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	15	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	15	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	15	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	15	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	15	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	19	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	19	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	19	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	19	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	19	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	19	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	19	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	19	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	19	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	19	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	19	0.93
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	19	0.93
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	6	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	3	0.93
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	3	0.93
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	4	0.93
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	4	0.93
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	5	0.93
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	5	0.93
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	15	0.93
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	15	0.93
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	15	0.93
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	15	0.93
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	15	0.93
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	15	0.93
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	15	0.93
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	15	0.93
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	15	0.93
(1,1032)	1:101:A:THR:HA	1:102:A:MET:H	17	0.93
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	5	0.93
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	15	0.93
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	19	0.93
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	19	0.93
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	13	0.93
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	13	0.93
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	16	0.93
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	16	0.93
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	14	0.93
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	14	0.93
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	14	0.93
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	14	0.93
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	10	0.93
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	10	0.93
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	3	0.93
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	3	0.93
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	5	0.93
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	9	0.93
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	9	0.93
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	9	0.93
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	9	0.93
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	3	0.93
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	3	0.93
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD2	5	0.93
(1,917)	1:72:A:ARG:H	1:72:A:ARG:HD3	5	0.93
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB2	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB3	1	0.93
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB2	16	0.93
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB3	16	0.93
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	15	0.93
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	15	0.93
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	15	0.93
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	15	0.93
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	15	0.93
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	15	0.93
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	1	0.93
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	7	0.93
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	12	0.93
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	18	0.93
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	8	0.93
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	8	0.93
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	11	0.93
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	11	0.93
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	10	0.93
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	10	0.93
(1,811)	1:50:A:GLN:HA	1:51:A:LEU:H	10	0.93
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD2	8	0.93
(1,804)	1:49:A:ARG:H	1:49:A:ARG:HD3	8	0.93
(1,801)	1:48:A:SER:HB2	1:49:A:ARG:H	1	0.93
(1,801)	1:48:A:SER:HB3	1:49:A:ARG:H	1	0.93
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	13	0.93
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	13	0.93
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	13	0.93
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	13	0.93
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	13	0.93
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	13	0.93
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	15	0.93
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	15	0.93
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	15	0.93
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	15	0.93
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	15	0.93
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	15	0.93
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	19	0.93
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	11	0.93
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	11	0.93
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	19	0.93
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	19	0.93
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	8	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	15	0.93
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	20	0.93
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	20	0.93
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	20	0.93
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	20	0.93
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	7	0.93
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	7	0.93
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	7	0.93
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	7	0.93
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	7	0.93
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	7	0.93
(1,256)	1:65:A:TYR:H	1:65:A:TYR:HD2	3	0.93
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	12	0.92
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	12	0.92
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	12	0.92
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	12	0.92
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	18	0.92
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	18	0.92
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	18	0.92
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	18	0.92
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	3	0.92
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	3	0.92
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	9	0.92
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	9	0.92
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	9	0.92
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	14	0.92
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	14	0.92
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	14	0.92
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	4	0.92
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	4	0.92
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	4	0.92
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	4	0.92
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	4	0.92
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	4	0.92
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	11	0.92
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	11	0.92
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	11	0.92
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	11	0.92
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	11	0.92
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	11	0.92
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	11	0.92
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	11	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	11	0.92
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	11	0.92
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	11	0.92
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	11	0.92
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	16	0.92
(1,1054)	1:105:A:TRP:H	1:105:A:TRP:HD1	3	0.92
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	4	0.92
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	4	0.92
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	4	0.92
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	4	0.92
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	20	0.92
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	20	0.92
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	20	0.92
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	20	0.92
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	2	0.92
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	6	0.92
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	20	0.92
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	20	0.92
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	16	0.92
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	16	0.92
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	16	0.92
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	16	0.92
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	16	0.92
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	16	0.92
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	16	0.92
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	16	0.92
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	16	0.92
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	16	0.92
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	16	0.92
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	16	0.92
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	10	0.92
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	10	0.92
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	10	0.92
(1,905)	1:70:A:SER:H	1:70:A:SER:HB2	12	0.92
(1,905)	1:70:A:SER:H	1:70:A:SER:HB3	12	0.92
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	1	0.92
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	1	0.92
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	1	0.92
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	1	0.92
(1,882)	1:64:A:ARG:HA	1:65:A:TYR:H	12	0.92
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG2	16	0.92
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG3	16	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	14	0.92
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	14	0.92
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	9	0.92
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	9	0.92
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	9	0.92
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	6	0.92
(1,812)	1:50:A:GLN:HA	1:52:A:ARG:H	4	0.92
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	9	0.92
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	9	0.92
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	16	0.92
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	13	0.92
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	17	0.92
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	3	0.92
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	3	0.92
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	5	0.92
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	8	0.92
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	10	0.92
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	10	0.92
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB2	9	0.92
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB3	9	0.92
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	2	0.91
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	2	0.91
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	2	0.91
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	2	0.91
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	9	0.91
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	9	0.91
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	3	0.91
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	3	0.91
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	12	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	2	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	2	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	2	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	2	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	2	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	2	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	2	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	2	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	2	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	2	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	2	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	2	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	10	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	10	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	10	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	10	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	10	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	10	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	10	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	10	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	10	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	10	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	10	0.91
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	10	0.91
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	19	0.91
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	3	0.91
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	18	0.91
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	3	0.91
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	3	0.91
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	3	0.91
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	12	0.91
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	12	0.91
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	19	0.91
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	19	0.91
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	11	0.91
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	11	0.91
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	10	0.91
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	18	0.91
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	20	0.91
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	4	0.91
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	18	0.91
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB2	15	0.91
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB3	15	0.91
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG2	10	0.91
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG3	10	0.91
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	4	0.91
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	14	0.91
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	20	0.91
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	20	0.91
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	20	0.91
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	10	0.91
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	14	0.91
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	14	0.91
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	7	0.91
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	4	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	6	0.91
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	20	0.91
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB2	13	0.91
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB3	13	0.91
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	2	0.9
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	2	0.9
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	15	0.9
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	15	0.9
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	13	0.9
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	13	0.9
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	2	0.9
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	2	0.9
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	20	0.9
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	5	0.9
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	19	0.9
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	4	0.9
(1,903)	1:69:A:GLY:H	1:70:A:SER:H	9	0.9
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	5	0.9
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	5	0.9
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	5	0.9
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	5	0.9
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	18	0.9
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	6	0.9
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	6	0.9
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	11	0.9
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	11	0.9
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	14	0.9
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	12	0.9
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	12	0.9
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	12	0.9
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	12	0.9
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	12	0.9
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	12	0.9
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	12	0.9
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	12	0.9
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	12	0.9
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	12	0.9
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	12	0.9
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	12	0.9
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	7	0.9
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	7	0.9
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	20	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	17	0.9
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	17	0.9
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	19	0.9
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	6	0.9
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	6	0.9
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	6	0.9
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	6	0.9
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	6	0.9
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	6	0.9
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	3	0.9
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	3	0.9
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	20	0.9
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	20	0.9
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	6	0.9
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	6	0.9
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	17	0.89
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	17	0.89
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	6	0.89
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	6	0.89
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD11	15	0.89
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD12	15	0.89
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD13	15	0.89
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	14	0.89
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	19	0.89
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	9	0.89
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	9	0.89
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	9	0.89
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	13	0.89
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	13	0.89
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	3	0.89
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	3	0.89
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	9	0.89
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	9	0.89
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	9	0.89
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	9	0.89
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	19	0.89
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	10	0.89
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	10	0.89
(1,1034)	1:102:A:MET:H	1:102:A:MET:HB2	10	0.89
(1,1034)	1:102:A:MET:H	1:102:A:MET:HB3	10	0.89
(1,1034)	1:102:A:MET:H	1:102:A:MET:HB2	17	0.89
(1,1034)	1:102:A:MET:H	1:102:A:MET:HB3	17	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	3	0.89
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	12	0.89
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	14	0.89
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	3	0.89
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	12	0.89
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	12	0.89
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	12	0.89
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	12	0.89
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	12	0.89
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	12	0.89
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	12	0.89
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	12	0.89
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	12	0.89
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	12	0.89
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	12	0.89
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	12	0.89
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB1	18	0.89
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB2	18	0.89
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB3	18	0.89
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	7	0.89
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	4	0.89
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	4	0.89
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	4	0.89
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	5	0.89
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	17	0.89
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	3	0.89
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	3	0.89
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	20	0.89
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	1	0.89
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	1	0.89
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD11	3	0.89
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD12	3	0.89
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD13	3	0.89
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD21	3	0.89
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD22	3	0.89
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD23	3	0.89
(1,256)	1:65:A:TYR:H	1:65:A:TYR:HD2	16	0.89
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	11	0.88
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	11	0.88
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	11	0.88
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	11	0.88
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	1	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	1	0.88
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	7	0.88
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	7	0.88
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	11	0.88
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	11	0.88
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	15	0.88
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	15	0.88
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	7	0.88
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB2	1	0.88
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB3	1	0.88
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	1	0.88
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	1	0.88
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	11	0.88
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	11	0.88
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	11	0.88
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	11	0.88
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	11	0.88
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	11	0.88
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	19	0.88
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	19	0.88
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	19	0.88
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	19	0.88
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	19	0.88
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	19	0.88
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	20	0.88
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	20	0.88
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	20	0.88
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	20	0.88
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	20	0.88
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	20	0.88
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD11	20	0.88
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD12	20	0.88
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD13	20	0.88
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD21	20	0.88
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD22	20	0.88
(1,1105)	1:112:A:LEU:H	1:112:A:LEU:HD23	20	0.88
(1,1094)	1:111:A:LEU:H	1:111:A:LEU:HG	14	0.88
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	13	0.88
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	15	0.88
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	20	0.88
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	20	0.88
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	1	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	1	0.88
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	1	0.88
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	1	0.88
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	1	0.88
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	1	0.88
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	8	0.88
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	8	0.88
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	8	0.88
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	8	0.88
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	14	0.88
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	14	0.88
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	12	0.88
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	12	0.88
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	3	0.88
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	3	0.88
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	3	0.88
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	3	0.88
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	8	0.88
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	16	0.88
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	8	0.88
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	2	0.88
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	2	0.88
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	8	0.88
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB2	18	0.88
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB3	18	0.88
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	9	0.88
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	3	0.88
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	9	0.88
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	9	0.88
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	15	0.88
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	16	0.88
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	2	0.88
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	2	0.88
(1,793)	1:47:A:ILE:HG12	1:48:A:SER:H	3	0.88
(1,793)	1:47:A:ILE:HG13	1:48:A:SER:H	3	0.88
(1,766)	1:40:A:GLN:HB2	1:41:A:GLY:H	13	0.88
(1,766)	1:40:A:GLN:HB3	1:41:A:GLY:H	13	0.88
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	19	0.88
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	3	0.88
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	7	0.88
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	8	0.88
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	9	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	19	0.88
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	18	0.88
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	4	0.88
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	17	0.88
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	17	0.88
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	17	0.88
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG12	1	0.87
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG13	1	0.87
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	19	0.87
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	19	0.87
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	20	0.87
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	16	0.87
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	7	0.87
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	7	0.87
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	7	0.87
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	7	0.87
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	7	0.87
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	7	0.87
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	1	0.87
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	2	0.87
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	6	0.87
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	6	0.87
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	15	0.87
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	15	0.87
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	11	0.87
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	11	0.87
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	9	0.87
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	9	0.87
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	9	0.87
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	9	0.87
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	11	0.87
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	18	0.87
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	12	0.87
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	20	0.87
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	20	0.87
(1,886)	1:64:A:ARG:HG2	1:67:A:GLU:HA	6	0.87
(1,886)	1:64:A:ARG:HG3	1:67:A:GLU:HA	6	0.87
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	2	0.87
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	2	0.87
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	1	0.87
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	1	0.87
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	1	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	14	0.87
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	14	0.87
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	14	0.87
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	16	0.87
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	16	0.87
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	16	0.87
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	16	0.87
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	16	0.87
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	16	0.87
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	9	0.87
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	17	0.87
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE21	2	0.87
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE22	2	0.87
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	15	0.87
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	15	0.87
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	7	0.87
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	18	0.87
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	18	0.87
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	18	0.87
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	18	0.87
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	14	0.87
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	14	0.87
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	15	0.87
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	15	0.87
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	2	0.86
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	2	0.86
(1,1229)	1:135:A:LYS:H	1:136:A:VAL:H	13	0.86
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	7	0.86
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	11	0.86
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	12	0.86
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	20	0.86
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB2	4	0.86
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB3	4	0.86
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	15	0.86
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	15	0.86
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	15	0.86
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	10	0.86
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	16	0.86
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	1	0.86
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	1	0.86
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	18	0.86
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	18	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	14	0.86
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	5	0.86
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	6	0.86
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	6	0.86
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	20	0.86
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	20	0.86
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	20	0.86
(1,905)	1:70:A:SER:H	1:70:A:SER:HB2	1	0.86
(1,905)	1:70:A:SER:H	1:70:A:SER:HB3	1	0.86
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	19	0.86
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	19	0.86
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	19	0.86
(1,855)	1:60:A:LYS:HA	1:61:A:ILE:H	11	0.86
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	2	0.86
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	2	0.86
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	18	0.86
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	18	0.86
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE21	16	0.86
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE22	16	0.86
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	4	0.86
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	4	0.86
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	15	0.86
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	9	0.86
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	9	0.86
(1,256)	1:65:A:TYR:H	1:65:A:TYR:HD2	18	0.86
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	9	0.85
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	9	0.85
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	4	0.85
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	9	0.85
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	13	0.85
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	3	0.85
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	10	0.85
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	11	0.85
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	12	0.85
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	15	0.85
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	5	0.85
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	14	0.85
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	20	0.85
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	20	0.85
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	15	0.85
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	11	0.85
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	8	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	8	0.85
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	8	0.85
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	8	0.85
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	8	0.85
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	8	0.85
(1,919)	1:74:A:GLY:H	1:75:A:VAL:H	7	0.85
(1,909)	1:71:A:ILE:H	1:71:A:ILE:HA	17	0.85
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	3	0.85
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	3	0.85
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	3	0.85
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB2	17	0.85
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB3	17	0.85
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	5	0.85
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	5	0.85
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	5	0.85
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	14	0.85
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	14	0.85
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	6	0.85
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	10	0.85
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	10	0.85
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	10	0.85
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	10	0.85
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	10	0.85
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	10	0.85
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	10	0.85
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	14	0.85
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	1	0.85
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	1	0.85
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	20	0.85
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	5	0.85
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	5	0.85
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	1	0.84
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	1	0.84
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	19	0.84
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	12	0.84
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	12	0.84
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	6	0.84
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	14	0.84
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	18	0.84
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	20	0.84
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB2	10	0.84
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB3	10	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	8	0.84
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	9	0.84
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	10	0.84
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	12	0.84
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	13	0.84
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	14	0.84
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	15	0.84
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	12	0.84
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	14	0.84
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	19	0.84
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	19	0.84
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	19	0.84
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	10	0.84
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	10	0.84
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	19	0.84
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	19	0.84
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	20	0.84
(1,994)	1:94:A:ASP:HA	1:97:A:ARG:H	1	0.84
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	16	0.84
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	16	0.84
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	16	0.84
(1,905)	1:70:A:SER:H	1:70:A:SER:HB2	4	0.84
(1,905)	1:70:A:SER:H	1:70:A:SER:HB3	4	0.84
(1,905)	1:70:A:SER:H	1:70:A:SER:HB2	5	0.84
(1,905)	1:70:A:SER:H	1:70:A:SER:HB3	5	0.84
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	11	0.84
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	11	0.84
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	12	0.84
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	12	0.84
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	12	0.84
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	12	0.84
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	12	0.84
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	12	0.84
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	7	0.84
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	7	0.84
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	12	0.84
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	12	0.84
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	3	0.84
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	3	0.84
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	10	0.84
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	10	0.84
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	10	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	16	0.84
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	16	0.84
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	16	0.84
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	14	0.84
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	14	0.84
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	14	0.84
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	14	0.84
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG2	9	0.84
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG3	9	0.84
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	15	0.84
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	15	0.84
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	12	0.83
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	12	0.83
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	2	0.83
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	2	0.83
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	20	0.83
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	20	0.83
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	5	0.83
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	9	0.83
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	9	0.83
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	4	0.83
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	8	0.83
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	9	0.83
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	4	0.83
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	11	0.83
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	11	0.83
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	11	0.83
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	1	0.83
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	6	0.83
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	7	0.83
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	11	0.83
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	16	0.83
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	18	0.83
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	19	0.83
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	10	0.83
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	1	0.83
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	8	0.83
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	17	0.83
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	19	0.83
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	19	0.83
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	19	0.83
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	14	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	2	0.83
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	17	0.83
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	17	0.83
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	15	0.83
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	15	0.83
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	7	0.83
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	15	0.83
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	13	0.83
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	10	0.83
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	10	0.83
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	14	0.83
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	14	0.83
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	14	0.83
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	14	0.83
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	15	0.83
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	15	0.83
(1,909)	1:71:A:ILE:H	1:71:A:ILE:HA	7	0.83
(1,909)	1:71:A:ILE:H	1:71:A:ILE:HA	9	0.83
(1,900)	1:68:A:THR:H	1:69:A:GLY:H	8	0.83
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	12	0.83
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	12	0.83
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	5	0.83
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	5	0.83
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	3	0.83
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	3	0.83
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	12	0.83
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	18	0.83
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	18	0.83
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	18	0.83
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	18	0.83
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	18	0.83
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	18	0.83
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	8	0.83
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	9	0.83
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	9	0.83
(1,1238)	1:136:A:VAL:HG11	1:137:A:GLN:H	7	0.82
(1,1238)	1:136:A:VAL:HG12	1:137:A:GLN:H	7	0.82
(1,1238)	1:136:A:VAL:HG13	1:137:A:GLN:H	7	0.82
(1,1238)	1:136:A:VAL:HG21	1:137:A:GLN:H	7	0.82
(1,1238)	1:136:A:VAL:HG22	1:137:A:GLN:H	7	0.82
(1,1238)	1:136:A:VAL:HG23	1:137:A:GLN:H	7	0.82
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	16	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	16	0.82
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	16	0.82
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	16	0.82
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	16	0.82
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	16	0.82
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	14	0.82
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	14	0.82
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	10	0.82
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	10	0.82
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	7	0.82
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	12	0.82
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	14	0.82
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD11	6	0.82
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD12	6	0.82
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD13	6	0.82
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	6	0.82
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	10	0.82
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	10	0.82
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	13	0.82
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	16	0.82
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	12	0.82
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	17	0.82
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	17	0.82
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	3	0.82
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	4	0.82
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	16	0.82
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	3	0.82
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	4	0.82
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	5	0.82
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	6	0.82
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	7	0.82
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	9	0.82
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	13	0.82
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	16	0.82
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	18	0.82
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	20	0.82
(1,1094)	1:111:A:LEU:H	1:111:A:LEU:HG	18	0.82
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	8	0.82
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	16	0.82
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	16	0.82
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	18	0.82
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	18	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	19	0.82
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	15	0.82
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	8	0.82
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	19	0.82
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	19	0.82
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	18	0.82
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	14	0.82
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	18	0.82
(1,909)	1:71:A:ILE:H	1:71:A:ILE:HA	6	0.82
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	18	0.82
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	18	0.82
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	11	0.82
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	11	0.82
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	11	0.82
(1,890)	1:65:A:TYR:H	1:66:A:TYR:H	20	0.82
(1,858)	1:60:A:LYS:HB2	1:64:A:ARG:HA	6	0.82
(1,858)	1:60:A:LYS:HB3	1:64:A:ARG:HA	6	0.82
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	10	0.82
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	16	0.82
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	18	0.82
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	15	0.82
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	12	0.82
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	13	0.82
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	17	0.82
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB2	7	0.82
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB3	7	0.82
(1,672)	1:19:A:ALA:HB1	1:20:A:PHE:H	2	0.82
(1,672)	1:19:A:ALA:HB2	1:20:A:PHE:H	2	0.82
(1,672)	1:19:A:ALA:HB3	1:20:A:PHE:H	2	0.82
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB2	20	0.82
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB3	20	0.82
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	1	0.81
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	1	0.81
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	18	0.81
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	18	0.81
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	15	0.81
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	16	0.81
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	14	0.81
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	14	0.81
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	1	0.81
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	5	0.81
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	17	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	20	0.81
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB2	18	0.81
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB3	18	0.81
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	20	0.81
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	2	0.81
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	15	0.81
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	15	0.81
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	5	0.81
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	5	0.81
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	17	0.81
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	17	0.81
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	14	0.81
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	14	0.81
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	15	0.81
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	15	0.81
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	10	0.81
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	1	0.81
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	3	0.81
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	7	0.81
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	8	0.81
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	9	0.81
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	10	0.81
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	11	0.81
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	12	0.81
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	13	0.81
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	15	0.81
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	16	0.81
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	17	0.81
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	19	0.81
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	20	0.81
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	17	0.81
(1,909)	1:71:A:ILE:H	1:71:A:ILE:HA	10	0.81
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	16	0.81
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	6	0.81
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	6	0.81
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	1	0.81
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	2	0.81
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	3	0.81
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	4	0.81
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	6	0.81
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	8	0.81
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	9	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	11	0.81
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	12	0.81
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	15	0.81
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	17	0.81
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	19	0.81
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	10	0.81
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	10	0.81
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	4	0.81
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	4	0.81
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	7	0.81
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	7	0.81
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	19	0.81
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	19	0.81
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	11	0.81
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	5	0.81
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	20	0.81
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	5	0.81
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	5	0.81
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	5	0.81
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	2	0.81
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	14	0.8
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	14	0.8
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	14	0.8
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	14	0.8
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	14	0.8
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	14	0.8
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	10	0.8
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	10	0.8
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	2	0.8
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	5	0.8
(1,1184)	1:128:A:ILE:HB	1:129:A:ASN:H	6	0.8
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	2	0.8
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	12	0.8
(1,1098)	1:111:A:LEU:HA	1:112:A:LEU:H	11	0.8
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	12	0.8
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	16	0.8
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	16	0.8
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	16	0.8
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	16	0.8
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	13	0.8
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	11	0.8
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	11	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	10	0.8
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	4	0.8
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	12	0.8
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	14	0.8
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	14	0.8
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	7	0.8
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	11	0.8
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	11	0.8
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	11	0.8
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	18	0.8
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	18	0.8
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	18	0.8
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	18	0.8
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	18	0.8
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	2	0.8
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	4	0.8
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	6	0.8
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG11	9	0.8
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG12	9	0.8
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG13	9	0.8
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG21	9	0.8
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG22	9	0.8
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG23	9	0.8
(1,909)	1:71:A:ILE:H	1:71:A:ILE:HA	8	0.8
(1,905)	1:70:A:SER:H	1:70:A:SER:HB2	3	0.8
(1,905)	1:70:A:SER:H	1:70:A:SER:HB3	3	0.8
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	8	0.8
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	5	0.8
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	7	0.8
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	14	0.8
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	8	0.8
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	8	0.8
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	18	0.8
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	17	0.8
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	14	0.8
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	9	0.8
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	9	0.8
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	9	0.8
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	8	0.8
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	8	0.8
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	1	0.8
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG2	11	0.8
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG3	11	0.8
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG2	6	0.8
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG3	6	0.8
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB2	15	0.8
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB3	15	0.8
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	13	0.79
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	13	0.79
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	13	0.79
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	13	0.79
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	11	0.79
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	11	0.79
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	1	0.79
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	3	0.79
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	19	0.79
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	3	0.79
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	3	0.79
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	15	0.79
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	4	0.79
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	4	0.79
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG21	16	0.79
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG22	16	0.79
(1,1146)	1:120:A:ASP:H	1:121:A:THR:HG23	16	0.79
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	1	0.79
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	2	0.79
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	5	0.79
(1,1085)	1:109:A:ASP:HA	1:110:A:ARG:H	12	0.79
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	16	0.79
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	16	0.79
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	4	0.79
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	4	0.79
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	11	0.79
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	11	0.79
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	4	0.79
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	17	0.79
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	17	0.79
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	11	0.79
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	11	0.79
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	11	0.79
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	11	0.79
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	8	0.79
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	13	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	2	0.79
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	19	0.79
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	9	0.79
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	10	0.79
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	15	0.79
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	17	0.79
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	17	0.79
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	18	0.79
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	18	0.79
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	18	0.79
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	13	0.79
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	13	0.79
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	13	0.79
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	12	0.79
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	13	0.79
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	6	0.79
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	6	0.79
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	14	0.79
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	5	0.79
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	5	0.79
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	5	0.79
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	5	0.79
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	2	0.79
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	4	0.79
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	6	0.79
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	11	0.79
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	15	0.79
(1,716)	1:33:A:ARG:H	1:33:A:ARG:HG2	17	0.79
(1,716)	1:33:A:ARG:H	1:33:A:ARG:HG3	17	0.79
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	9	0.79
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	11	0.79
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	2	0.79
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	11	0.78
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	11	0.78
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	16	0.78
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	16	0.78
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	18	0.78
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	18	0.78
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD2	5	0.78
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD3	5	0.78
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD2	5	0.78
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD3	5	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	6	0.78
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	17	0.78
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	2	0.78
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	17	0.78
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	8	0.78
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	8	0.78
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	18	0.78
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	18	0.78
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	17	0.78
(1,1125)	1:116:A:VAL:HA	1:117:A:CYS:H	17	0.78
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	10	0.78
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	10	0.78
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	10	0.78
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	15	0.78
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	15	0.78
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	12	0.78
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	12	0.78
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	12	0.78
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	12	0.78
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	12	0.78
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	12	0.78
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	12	0.78
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	12	0.78
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	18	0.78
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	18	0.78
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	18	0.78
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	18	0.78
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	18	0.78
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	18	0.78
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	6	0.78
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	11	0.78
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	2	0.78
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	11	0.78
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	1	0.78
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	2	0.78
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	4	0.78
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	7	0.78
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	11	0.78
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	12	0.78
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	13	0.78
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	17	0.78
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	19	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	20	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	11	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	11	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	11	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	11	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	11	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	11	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	11	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	11	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	11	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	11	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	11	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	11	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	15	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	15	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	15	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	15	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	15	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	15	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	15	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	15	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	15	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	15	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	15	0.78
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	15	0.78
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG11	16	0.78
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG12	16	0.78
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG13	16	0.78
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG21	16	0.78
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG22	16	0.78
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG23	16	0.78
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	6	0.78
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	6	0.78
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	4	0.78
(1,909)	1:71:A:ILE:H	1:71:A:ILE:HA	4	0.78
(1,909)	1:71:A:ILE:H	1:71:A:ILE:HA	11	0.78
(1,909)	1:71:A:ILE:H	1:71:A:ILE:HA	12	0.78
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB2	4	0.78
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB3	4	0.78
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	14	0.78
(1,874)	1:62:A:LEU:HA	1:63:A:GLY:H	5	0.78
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	15	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	15	0.78
(1,844)	1:58:A:VAL:HA	1:58:A:VAL:HB	20	0.78
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	10	0.78
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	10	0.78
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	19	0.78
(1,741)	1:35:A:VAL:HA	1:38:A:ALA:H	17	0.78
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	9	0.78
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	10	0.78
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	13	0.78
(1,690)	1:26:A:LEU:HA	1:30:A:VAL:HB	15	0.78
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	2	0.78
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	2	0.78
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	13	0.78
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	13	0.78
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	12	0.78
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	12	0.78
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	4	0.78
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	4	0.78
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	5	0.78
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	5	0.78
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	5	0.78
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	5	0.78
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	5	0.78
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	5	0.78
(1,256)	1:65:A:TYR:H	1:65:A:TYR:HD2	10	0.78
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	3	0.77
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	3	0.77
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	10	0.77
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	10	0.77
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	10	0.77
(1,1192)	1:129:A:ASN:HA	1:130:A:ARG:H	2	0.77
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	4	0.77
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	17	0.77
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	17	0.77
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD2	13	0.77
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD3	13	0.77
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	13	0.77
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD3	13	0.77
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	2	0.77
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	2	0.77
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	2	0.77
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	2	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	2	0.77
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	2	0.77
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	7	0.77
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	7	0.77
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	4	0.77
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	4	0.77
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	7	0.77
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	3	0.77
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	4	0.77
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	4	0.77
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	7	0.77
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	4	0.77
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	4	0.77
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	3	0.77
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	5	0.77
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	14	0.77
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	16	0.77
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	5	0.77
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	5	0.77
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	5	0.77
(1,909)	1:71:A:ILE:H	1:71:A:ILE:HA	5	0.77
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	4	0.77
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	4	0.77
(1,887)	1:65:A:TYR:H	1:65:A:TYR:HA	19	0.77
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	18	0.77
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	18	0.77
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	7	0.77
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	5	0.77
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	5	0.77
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	14	0.77
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	14	0.77
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	18	0.77
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	18	0.77
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	7	0.77
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	1	0.77
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	1	0.77
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	15	0.77
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	15	0.77
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	6	0.77
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	6	0.77
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	6	0.77
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	6	0.77
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	6	0.77
(1,761)	1:39:A:HIS:HA	1:40:A:GLN:H	11	0.77
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	12	0.77
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	15	0.77
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	1	0.77
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	1	0.77
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	1	0.77
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	9	0.77
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	9	0.77
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	3	0.77
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	5	0.77
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	7	0.77
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	8	0.77
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	19	0.77
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	20	0.77
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	1	0.77
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	9	0.76
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	13	0.76
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	20	0.76
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG12	5	0.76
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG13	5	0.76
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG12	1	0.76
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG13	1	0.76
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	1	0.76
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	8	0.76
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	8	0.76
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	8	0.76
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	11	0.76
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	8	0.76
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	8	0.76
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	8	0.76
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	8	0.76
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	8	0.76
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	8	0.76
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	13	0.76
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	16	0.76
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	16	0.76
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	16	0.76
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	2	0.76
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	18	0.76
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	16	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	16	0.76
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	4	0.76
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	4	0.76
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	20	0.76
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	20	0.76
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	20	0.76
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	20	0.76
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	20	0.76
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	20	0.76
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	17	0.76
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	17	0.76
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	17	0.76
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	17	0.76
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	18	0.76
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	18	0.76
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	18	0.76
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	18	0.76
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	16	0.76
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG11	1	0.76
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG12	1	0.76
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG13	1	0.76
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG21	1	0.76
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG22	1	0.76
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG23	1	0.76
(1,919)	1:74:A:GLY:H	1:75:A:VAL:H	5	0.76
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	7	0.76
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	12	0.76
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	16	0.76
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	16	0.76
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	12	0.76
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	13	0.76
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	1	0.76
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	1	0.76
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	1	0.76
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	13	0.76
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	2	0.76
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	2	0.76
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	2	0.76
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	2	0.76
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	2	0.76
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	2	0.76
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	20	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	20	0.76
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	12	0.76
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	18	0.76
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	4	0.76
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	4	0.76
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	4	0.76
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	4	0.76
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	16	0.76
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	16	0.76
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	1	0.76
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	1	0.76
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	18	0.76
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	18	0.76
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG2	19	0.76
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG3	19	0.76
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	17	0.75
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	17	0.75
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG2	19	0.75
(1,1228)	1:135:A:LYS:H	1:135:A:LYS:HG3	19	0.75
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	4	0.75
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	11	0.75
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	15	0.75
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	17	0.75
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	17	0.75
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	17	0.75
(1,1168)	1:126:A:SER:HA	1:129:A:ASN:H	18	0.75
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	19	0.75
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	19	0.75
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	14	0.75
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	19	0.75
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	1	0.75
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	5	0.75
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	12	0.75
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	12	0.75
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	12	0.75
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	12	0.75
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	12	0.75
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	12	0.75
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	12	0.75
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	12	0.75
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	12	0.75
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	16	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	9	0.75
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	2	0.75
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	2	0.75
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	2	0.75
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	2	0.75
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	2	0.75
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	2	0.75
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	2	0.75
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	2	0.75
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	3	0.75
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	3	0.75
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	3	0.75
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	3	0.75
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	3	0.75
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	3	0.75
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	3	0.75
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	3	0.75
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	5	0.75
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	5	0.75
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	5	0.75
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	5	0.75
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	5	0.75
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	5	0.75
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	5	0.75
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	5	0.75
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	15	0.75
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	15	0.75
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	15	0.75
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	15	0.75
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	15	0.75
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	15	0.75
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	15	0.75
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	15	0.75
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	15	0.75
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	15	0.75
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	4	0.75
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	16	0.75
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	16	0.75
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	7	0.75
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	7	0.75
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	7	0.75
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	19	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	15	0.75
(1,887)	1:65:A:TYR:H	1:65:A:TYR:HA	4	0.75
(1,887)	1:65:A:TYR:H	1:65:A:TYR:HA	20	0.75
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	1	0.75
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	1	0.75
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	5	0.75
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG11	12	0.75
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG12	12	0.75
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG13	12	0.75
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG21	12	0.75
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG22	12	0.75
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG23	12	0.75
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	7	0.75
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	7	0.75
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	16	0.75
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	16	0.75
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	19	0.75
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	19	0.75
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	18	0.75
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	4	0.75
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	14	0.75
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	16	0.75
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	17	0.75
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	6	0.75
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	6	0.75
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	6	0.75
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	6	0.75
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	1	0.75
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	1	0.75
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	20	0.75
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	20	0.75
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	20	0.75
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	20	0.75
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	5	0.75
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD11	19	0.75
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD12	19	0.75
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD13	19	0.75
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD21	19	0.75
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD22	19	0.75
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD23	19	0.75
(1,256)	1:65:A:TYR:H	1:65:A:TYR:HD2	2	0.75
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	12	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	12	0.74
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	4	0.74
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	4	0.74
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	4	0.74
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	4	0.74
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	4	0.74
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	4	0.74
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	8	0.74
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	8	0.74
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	8	0.74
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	8	0.74
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	8	0.74
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	8	0.74
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	8	0.74
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	16	0.74
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	19	0.74
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	19	0.74
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	19	0.74
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG2	2	0.74
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG3	2	0.74
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	13	0.74
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	14	0.74
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	14	0.74
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	14	0.74
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	19	0.74
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	12	0.74
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	12	0.74
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	12	0.74
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	5	0.74
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	5	0.74
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	5	0.74
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	5	0.74
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	8	0.74
(1,1054)	1:105:A:TRP:H	1:105:A:TRP:HD1	5	0.74
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	20	0.74
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	20	0.74
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	20	0.74
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	20	0.74
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	20	0.74
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	20	0.74
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	20	0.74
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	20	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	2	0.74
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	10	0.74
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	16	0.74
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	16	0.74
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	16	0.74
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	16	0.74
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	9	0.74
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	12	0.74
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	17	0.74
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	18	0.74
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	2	0.74
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	6	0.74
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	1	0.74
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	14	0.74
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	14	0.74
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	8	0.74
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	8	0.74
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	8	0.74
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	10	0.74
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	10	0.74
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	20	0.74
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	20	0.74
(1,925)	1:76:A:ILE:HA	1:76:A:ILE:HB	5	0.74
(1,887)	1:65:A:TYR:H	1:65:A:TYR:HA	7	0.74
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	3	0.74
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	3	0.74
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	3	0.74
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	3	0.74
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	2	0.74
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	2	0.74
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	8	0.74
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	10	0.74
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	14	0.74
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	17	0.74
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	7	0.74
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	18	0.74
(1,762)	1:39:A:HIS:HA	1:41:A:GLY:H	13	0.74
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	5	0.74
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	6	0.74
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	13	0.74
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	13	0.74
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	13	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	7	0.74
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	7	0.74
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	7	0.74
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	14	0.74
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	6	0.73
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	6	0.73
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	1	0.73
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	1	0.73
(1,1215)	1:132:A:ILE:HA	1:133:A:ARG:H	18	0.73
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	10	0.73
(1,1151)	1:121:A:THR:HA	1:122:A:VAL:H	18	0.73
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	7	0.73
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	19	0.73
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	2	0.73
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	3	0.73
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	4	0.73
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	18	0.73
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	6	0.73
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	4	0.73
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	11	0.73
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	13	0.73
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	16	0.73
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	20	0.73
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	20	0.73
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	20	0.73
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	7	0.73
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	16	0.73
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	16	0.73
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	16	0.73
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	16	0.73
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	16	0.73
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	16	0.73
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	1	0.73
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	13	0.73
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	14	0.73
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	20	0.73
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	7	0.73
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	7	0.73
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	10	0.73
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	10	0.73
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	17	0.73
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	17	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG11	4	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG12	4	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG13	4	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG21	4	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG22	4	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG23	4	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG11	12	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG12	12	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG13	12	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG21	12	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG22	12	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG23	12	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG11	14	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG12	14	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG13	14	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG21	14	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG22	14	0.73
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG23	14	0.73
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	3	0.73
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	3	0.73
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	17	0.73
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	17	0.73
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	3	0.73
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	5	0.73
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	6	0.73
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	16	0.73
(1,719)	1:33:A:ARG:HA	1:34:A:ILE:H	14	0.73
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	11	0.73
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	20	0.73
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	20	0.73
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	1	0.72
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	1	0.72
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	8	0.72
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	8	0.72
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	9	0.72
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	7	0.72
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	7	0.72
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	7	0.72
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	7	0.72
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	7	0.72
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	7	0.72
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	18	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	20	0.72
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	20	0.72
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	17	0.72
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	17	0.72
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	17	0.72
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	17	0.72
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	17	0.72
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	17	0.72
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	7	0.72
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	8	0.72
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	12	0.72
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	13	0.72
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	15	0.72
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	20	0.72
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	8	0.72
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	8	0.72
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	8	0.72
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	14	0.72
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	14	0.72
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	9	0.72
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	6	0.72
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	6	0.72
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	6	0.72
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	7	0.72
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	10	0.72
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	12	0.72
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	14	0.72
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	6	0.72
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	6	0.72
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	6	0.72
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	6	0.72
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	6	0.72
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	6	0.72
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	8	0.72
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	8	0.72
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	8	0.72
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	8	0.72
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	8	0.72
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	8	0.72
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	8	0.72
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	8	0.72
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	8	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	1	0.72
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	12	0.72
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	7	0.72
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	15	0.72
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	13	0.72
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	19	0.72
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	1	0.72
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	20	0.72
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	10	0.72
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	13	0.72
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	13	0.72
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	13	0.72
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	17	0.72
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	17	0.72
(1,887)	1:65:A:TYR:H	1:65:A:TYR:HA	17	0.72
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG11	19	0.72
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG12	19	0.72
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG13	19	0.72
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG21	19	0.72
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG22	19	0.72
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG23	19	0.72
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	2	0.72
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	13	0.72
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	7	0.72
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	7	0.72
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	4	0.72
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	4	0.72
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	4	0.72
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	4	0.72
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	4	0.72
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	4	0.72
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	5	0.72
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	5	0.72
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	5	0.72
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	5	0.72
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	5	0.72
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	5	0.72
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	13	0.72
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	13	0.72
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	13	0.72
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	13	0.72
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	13	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	13	0.72
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	15	0.72
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	9	0.72
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	9	0.72
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	9	0.72
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	18	0.72
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	18	0.72
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	3	0.72
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	5	0.72
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	3	0.72
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG11	2	0.72
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG12	2	0.72
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG13	2	0.72
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG21	2	0.72
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG22	2	0.72
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG23	2	0.72
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	2	0.72
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	8	0.72
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	8	0.72
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	13	0.72
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	13	0.72
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	10	0.71
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	10	0.71
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	5	0.71
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	5	0.71
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	5	0.71
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	5	0.71
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	12	0.71
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	12	0.71
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	14	0.71
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	3	0.71
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	3	0.71
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	3	0.71
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	20	0.71
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	20	0.71
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	20	0.71
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	1	0.71
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	5	0.71
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	6	0.71
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	10	0.71
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	11	0.71
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	16	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	4	0.71
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	9	0.71
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	9	0.71
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	4	0.71
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	18	0.71
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	6	0.71
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	6	0.71
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	9	0.71
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	9	0.71
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	16	0.71
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	16	0.71
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	3	0.71
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	8	0.71
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	19	0.71
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	11	0.71
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	9	0.71
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	9	0.71
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	2	0.71
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	2	0.71
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	4	0.71
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	4	0.71
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	4	0.71
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	4	0.71
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	4	0.71
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	4	0.71
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	2	0.71
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	2	0.71
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	13	0.71
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	9	0.71
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	9	0.71
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	3	0.71
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	3	0.71
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	3	0.71
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	3	0.71
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	11	0.71
(1,836)	1:57:A:CYS:H	1:57:A:CYS:HG	5	0.71
(1,836)	1:57:A:CYS:H	1:57:A:CYS:HG	13	0.71
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	1	0.71
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	6	0.71
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	9	0.71
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	16	0.71
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	6	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	6	0.71
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	12	0.71
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	12	0.71
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	10	0.71
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	15	0.71
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	6	0.71
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	6	0.71
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	6	0.71
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	19	0.71
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	19	0.71
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	19	0.71
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	8	0.71
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	8	0.71
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	11	0.71
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	11	0.71
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	12	0.7
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	12	0.7
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD2	11	0.7
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD3	11	0.7
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD2	11	0.7
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD3	11	0.7
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	5	0.7
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB2	5	0.7
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB3	5	0.7
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	10	0.7
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	10	0.7
(1,1149)	1:121:A:THR:H	1:121:A:THR:HG1	7	0.7
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	7	0.7
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	7	0.7
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	7	0.7
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	2	0.7
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	2	0.7
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	19	0.7
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	19	0.7
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	19	0.7
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	19	0.7
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	19	0.7
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	19	0.7
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	9	0.7
(1,1108)	1:112:A:LEU:HA	1:113:A:ALA:H	17	0.7
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	16	0.7
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	16	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	16	0.7
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	16	0.7
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	16	0.7
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	16	0.7
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	16	0.7
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	16	0.7
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	16	0.7
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	1	0.7
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	5	0.7
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	7	0.7
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	11	0.7
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	16	0.7
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	6	0.7
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	7	0.7
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	9	0.7
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	9	0.7
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	9	0.7
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	10	0.7
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	10	0.7
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	10	0.7
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	10	0.7
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	3	0.7
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	9	0.7
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	15	0.7
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	10	0.7
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	10	0.7
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	19	0.7
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	18	0.7
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	16	0.7
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	16	0.7
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	9	0.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	18	0.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	18	0.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	18	0.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	18	0.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	18	0.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	18	0.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	18	0.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	18	0.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	18	0.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	18	0.7
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	18	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	18	0.7
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	18	0.7
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	18	0.7
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	3	0.7
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	20	0.7
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	20	0.7
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	4	0.7
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	17	0.7
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	1	0.7
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	2	0.7
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	6	0.7
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	13	0.7
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	18	0.7
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	20	0.7
(1,760)	1:39:A:HIS:H	1:41:A:GLY:H	1	0.7
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	1	0.7
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	9	0.7
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	16	0.7
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	16	0.7
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	13	0.7
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	14	0.7
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	18	0.7
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	9	0.7
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	10	0.7
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	10	0.7
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	7	0.69
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	7	0.69
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	6	0.69
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	6	0.69
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	8	0.69
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	8	0.69
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB2	8	0.69
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB3	8	0.69
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	10	0.69
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	16	0.69
(1,1126)	1:116:A:VAL:HB	1:117:A:CYS:H	17	0.69
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	15	0.69
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	15	0.69
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	15	0.69
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	15	0.69
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	15	0.69
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	15	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1087)	1:109:A:ASP:HB2	1:110:A:ARG:H	10	0.69
(1,1087)	1:109:A:ASP:HB3	1:110:A:ARG:H	10	0.69
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	17	0.69
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	7	0.69
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	7	0.69
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	2	0.69
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	3	0.69
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	4	0.69
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	8	0.69
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	10	0.69
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	13	0.69
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	14	0.69
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	15	0.69
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	18	0.69
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	20	0.69
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	17	0.69
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	19	0.69
(1,1061)	1:106:A:GLU:HA	1:107:A:ILE:H	20	0.69
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	8	0.69
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	8	0.69
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	11	0.69
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	11	0.69
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB2	7	0.69
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB3	7	0.69
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	8	0.69
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD2	15	0.69
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD3	15	0.69
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	4	0.69
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	3	0.69
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	10	0.69
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	10	0.69
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	20	0.69
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	16	0.69
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	16	0.69
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	12	0.69
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	12	0.69
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	12	0.69
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	1	0.69
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	1	0.69
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	1	0.69
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	1	0.69
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	1	0.69
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	6	0.69
(1,900)	1:68:A:THR:H	1:69:A:GLY:H	2	0.69
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	11	0.69
(1,836)	1:57:A:CYS:H	1:57:A:CYS:HG	14	0.69
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	11	0.69
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	4	0.69
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	10	0.69
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	4	0.69
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	4	0.69
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	4	0.69
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	3	0.69
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	3	0.69
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	3	0.69
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	13	0.69
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	5	0.69
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	5	0.69
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	5	0.69
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	5	0.69
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	5	0.69
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	5	0.69
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	4	0.69
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	4	0.69
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG2	4	0.69
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG3	4	0.69
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	8	0.68
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	8	0.68
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	8	0.68
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	12	0.68
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	12	0.68
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	12	0.68
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	12	0.68
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	12	0.68
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	12	0.68
(1,1229)	1:135:A:LYS:H	1:136:A:VAL:H	11	0.68
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	8	0.68
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	19	0.68
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	20	0.68
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	6	0.68
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	6	0.68
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	9	0.68
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	11	0.68
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	11	0.68
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	11	0.68
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	11	0.68
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	11	0.68
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	11	0.68
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	4	0.68
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	4	0.68
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	4	0.68
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	9	0.68
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	17	0.68
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	19	0.68
(1,1054)	1:105:A:TRP:H	1:105:A:TRP:HD1	17	0.68
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG2	15	0.68
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG3	15	0.68
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	3	0.68
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD2	5	0.68
(1,1014)	1:97:A:ARG:H	1:97:A:ARG:HD3	5	0.68
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	5	0.68
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	10	0.68
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	10	0.68
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	10	0.68
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	10	0.68
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	17	0.68
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	17	0.68
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	13	0.68
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	13	0.68
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	9	0.68
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	14	0.68
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	14	0.68
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE1	20	0.68
(1,889)	1:65:A:TYR:H	1:65:A:TYR:HE2	20	0.68
(1,887)	1:65:A:TYR:H	1:65:A:TYR:HA	16	0.68
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	20	0.68
(1,836)	1:57:A:CYS:H	1:57:A:CYS:HG	18	0.68
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	18	0.68
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	18	0.68
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	9	0.68
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	20	0.68
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	3	0.68
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	3	0.68
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	13	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	13	0.68
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	14	0.68
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	14	0.68
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	16	0.68
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	18	0.68
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	12	0.68
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	15	0.68
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	19	0.68
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	4	0.68
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	4	0.68
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	4	0.68
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	17	0.68
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	17	0.68
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	12	0.68
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	12	0.68
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	12	0.68
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	12	0.68
(1,704)	1:30:A:VAL:HA	1:34:A:ILE:H	13	0.68
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	16	0.67
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	16	0.67
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	4	0.67
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	12	0.67
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	16	0.67
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	14	0.67
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	14	0.67
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	16	0.67
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	17	0.67
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	7	0.67
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	3	0.67
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB2	11	0.67
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB3	11	0.67
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	11	0.67
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	12	0.67
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	12	0.67
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	12	0.67
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	17	0.67
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	8	0.67
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	15	0.67
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	15	0.67
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	15	0.67
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	15	0.67
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	15	0.67
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	15	0.67
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	17	0.67
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	17	0.67
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	17	0.67
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	17	0.67
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	17	0.67
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	17	0.67
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	11	0.67
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	11	0.67
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	11	0.67
(1,1079)	1:108:A:ARG:HA	1:109:A:ASP:H	12	0.67
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	2	0.67
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	10	0.67
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	10	0.67
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	10	0.67
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	15	0.67
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	15	0.67
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	15	0.67
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	15	0.67
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	15	0.67
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	15	0.67
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	18	0.67
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	18	0.67
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	13	0.67
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	3	0.67
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	16	0.67
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	5	0.67
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	10	0.67
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE1	8	0.67
(1,999)	1:95:A:TYR:H	1:95:A:TYR:HE2	8	0.67
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	6	0.67
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	4	0.67
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	8	0.67
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	8	0.67
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	8	0.67
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	8	0.67
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	8	0.67
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	8	0.67
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	8	0.67
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	8	0.67
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	8	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	8	0.67
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	8	0.67
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	8	0.67
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	15	0.67
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	15	0.67
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	15	0.67
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	18	0.67
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	18	0.67
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	18	0.67
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	7	0.67
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	7	0.67
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	7	0.67
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	19	0.67
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	19	0.67
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	19	0.67
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB1	12	0.67
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB2	12	0.67
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB3	12	0.67
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	17	0.67
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	17	0.67
(1,887)	1:65:A:TYR:H	1:65:A:TYR:HA	14	0.67
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	7	0.67
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	7	0.67
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	13	0.67
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	13	0.67
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	14	0.67
(1,836)	1:57:A:CYS:H	1:57:A:CYS:HG	4	0.67
(1,836)	1:57:A:CYS:H	1:57:A:CYS:HG	16	0.67
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	19	0.67
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	11	0.67
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	11	0.67
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	11	0.67
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	11	0.67
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	11	0.67
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	11	0.67
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	11	0.67
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	11	0.67
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	11	0.67
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	11	0.67
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	11	0.67
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	11	0.67
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	20	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	18	0.67
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	18	0.67
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	18	0.67
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	18	0.67
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	18	0.67
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	18	0.67
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	5	0.67
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	3	0.67
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	9	0.67
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	11	0.67
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	17	0.67
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	18	0.67
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	18	0.67
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	2	0.67
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	6	0.67
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	10	0.67
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	12	0.67
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	15	0.67
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	6	0.67
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	20	0.67
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	20	0.67
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	20	0.67
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE21	12	0.67
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE22	12	0.67
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	10	0.67
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	4	0.67
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	1	0.66
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	1	0.66
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	3	0.66
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	3	0.66
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	2	0.66
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	5	0.66
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	6	0.66
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	13	0.66
(1,1221)	1:134:A:THR:H	1:134:A:THR:HG21	11	0.66
(1,1221)	1:134:A:THR:H	1:134:A:THR:HG22	11	0.66
(1,1221)	1:134:A:THR:H	1:134:A:THR:HG23	11	0.66
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD2	17	0.66
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD3	17	0.66
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD2	17	0.66
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD3	17	0.66
(1,1201)	1:130:A:ARG:HA	1:131:A:ILE:H	3	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	16	0.66
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	16	0.66
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	5	0.66
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	5	0.66
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	3	0.66
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	16	0.66
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	20	0.66
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	5	0.66
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	5	0.66
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	14	0.66
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	14	0.66
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	16	0.66
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	17	0.66
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	19	0.66
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	18	0.66
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	18	0.66
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	18	0.66
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	18	0.66
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	18	0.66
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	18	0.66
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	7	0.66
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	7	0.66
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	7	0.66
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	7	0.66
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	7	0.66
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	7	0.66
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	20	0.66
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	6	0.66
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	4	0.66
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	4	0.66
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG2	9	0.66
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG3	9	0.66
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD2	10	0.66
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD3	10	0.66
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	3	0.66
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	3	0.66
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	1	0.66
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	9	0.66
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	11	0.66
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	13	0.66
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	12	0.66
(1,943)	1:85:A:THR:H	1:85:A:THR:HG1	1	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	11	0.66
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	11	0.66
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	13	0.66
(1,836)	1:57:A:CYS:H	1:57:A:CYS:HG	10	0.66
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	16	0.66
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	12	0.66
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	12	0.66
(1,801)	1:48:A:SER:HB2	1:49:A:ARG:H	8	0.66
(1,801)	1:48:A:SER:HB3	1:49:A:ARG:H	8	0.66
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	5	0.66
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	14	0.66
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	9	0.66
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	18	0.66
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	11	0.66
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	11	0.66
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB2	1	0.66
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB3	1	0.66
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	14	0.65
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	14	0.65
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	14	0.65
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	15	0.65
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	15	0.65
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	1	0.65
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	7	0.65
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	9	0.65
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	17	0.65
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG12	5	0.65
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG13	5	0.65
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	17	0.65
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	17	0.65
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	17	0.65
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	5	0.65
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	5	0.65
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	5	0.65
(1,1149)	1:121:A:THR:H	1:121:A:THR:HG1	12	0.65
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	4	0.65
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	19	0.65
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	13	0.65
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	13	0.65
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	13	0.65
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	5	0.65
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	20	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	16	0.65
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	16	0.65
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	16	0.65
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	16	0.65
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	16	0.65
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	16	0.65
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	16	0.65
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	17	0.65
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	15	0.65
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	1	0.65
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	1	0.65
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	1	0.65
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	1	0.65
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	1	0.65
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	1	0.65
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	6	0.65
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	6	0.65
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	6	0.65
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	6	0.65
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	6	0.65
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	6	0.65
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	18	0.65
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	16	0.65
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	16	0.65
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	10	0.65
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	10	0.65
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	18	0.65
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	11	0.65
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	11	0.65
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	16	0.65
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	12	0.65
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	12	0.65
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	7	0.65
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	8	0.65
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	9	0.65
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	9	0.65
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	8	0.65
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	11	0.65
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	14	0.65
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	17	0.65
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	20	0.65
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	16	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	6	0.65
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	12	0.65
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	12	0.65
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	2	0.65
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	2	0.65
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	18	0.65
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	19	0.65
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	19	0.65
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD11	11	0.65
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD12	11	0.65
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD13	11	0.65
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD21	11	0.65
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD22	11	0.65
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD23	11	0.65
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	6	0.64
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	6	0.64
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	6	0.64
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	4	0.64
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	4	0.64
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	8	0.64
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	8	0.64
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	11	0.64
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	11	0.64
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	3	0.64
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	11	0.64
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	18	0.64
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	19	0.64
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG2	13	0.64
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG3	13	0.64
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	14	0.64
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	7	0.64
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	10	0.64
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	12	0.64
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	13	0.64
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	15	0.64
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	8	0.64
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	19	0.64
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	11	0.64
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	12	0.64
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	13	0.64
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	9	0.64
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	9	0.64
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	9	0.64
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	9	0.64
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	9	0.64
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	3	0.64
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	14	0.64
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	14	0.64
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	14	0.64
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	14	0.64
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	2	0.64
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	2	0.64
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	2	0.64
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	2	0.64
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	2	0.64
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	2	0.64
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	12	0.64
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	12	0.64
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	17	0.64
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	17	0.64
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	17	0.64
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	17	0.64
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	17	0.64
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	17	0.64
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	17	0.64
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	17	0.64
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	17	0.64
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	6	0.64
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	6	0.64
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	18	0.64
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	18	0.64
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	17	0.64
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	17	0.64
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	17	0.64
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	17	0.64
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	13	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	5	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	5	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	5	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	5	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	5	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	5	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	5	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	5	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	5	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	5	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	5	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	5	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	10	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	10	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	10	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	10	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	10	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	10	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	10	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	10	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	10	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	10	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	10	0.64
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	10	0.64
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	9	0.64
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	9	0.64
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	9	0.64
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	9	0.64
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	9	0.64
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	9	0.64
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD2	11	0.64
(1,933)	1:82:A:LYS:H	1:82:A:LYS:HD3	11	0.64
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	16	0.64
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	16	0.64
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG11	13	0.64
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG12	13	0.64
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG13	13	0.64
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG21	13	0.64
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG22	13	0.64
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG23	13	0.64
(1,887)	1:65:A:TYR:H	1:65:A:TYR:HA	2	0.64
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	11	0.64
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	11	0.64
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	7	0.64
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG11	17	0.64
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG12	17	0.64
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG13	17	0.64
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG21	17	0.64
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG22	17	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG23	17	0.64
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	4	0.64
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	17	0.64
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	11	0.64
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	7	0.64
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	7	0.64
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	7	0.64
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	7	0.64
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	7	0.64
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	7	0.64
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	19	0.64
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	19	0.64
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	15	0.64
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	13	0.64
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	19	0.64
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	13	0.64
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	2	0.64
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	2	0.64
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	2	0.64
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	6	0.64
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	6	0.64
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	2	0.64
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	17	0.64
(1,703)	1:30:A:VAL:HA	1:33:A:ARG:H	19	0.64
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	16	0.64
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB2	3	0.64
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB3	3	0.64
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	3	0.64
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	7	0.64
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	7	0.64
(1,668)	1:15:A:GLN:HG2	1:16:A:LEU:H	20	0.64
(1,668)	1:15:A:GLN:HG3	1:16:A:LEU:H	20	0.64
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG2	12	0.64
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG3	12	0.64
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	5	0.63
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	5	0.63
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	5	0.63
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	15	0.63
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	15	0.63
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	15	0.63
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	6	0.63
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	6	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	12	0.63
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	12	0.63
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	18	0.63
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	18	0.63
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	19	0.63
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	14	0.63
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	16	0.63
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	16	0.63
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	16	0.63
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	10	0.63
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	5	0.63
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	8	0.63
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	17	0.63
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	6	0.63
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	11	0.63
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	16	0.63
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	16	0.63
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	16	0.63
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	19	0.63
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	19	0.63
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	6	0.63
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	20	0.63
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	20	0.63
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	20	0.63
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	20	0.63
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	20	0.63
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	20	0.63
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	1	0.63
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	2	0.63
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	3	0.63
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	20	0.63
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	8	0.63
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	14	0.63
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	1	0.63
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	1	0.63
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	1	0.63
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	1	0.63
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	5	0.63
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	5	0.63
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	6	0.63
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	6	0.63
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	6	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	6	0.63
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	6	0.63
(1,993)	1:94:A:ASP:H	1:95:A:TYR:H	18	0.63
(1,992)	1:93:A:GLY:H	1:94:A:ASP:H	19	0.63
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	10	0.63
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	12	0.63
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	12	0.63
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	6	0.63
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	6	0.63
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	11	0.63
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	11	0.63
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	20	0.63
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	20	0.63
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	17	0.63
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	13	0.63
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	5	0.63
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	5	0.63
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	5	0.63
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	5	0.63
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	5	0.63
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	5	0.63
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	5	0.63
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	11	0.63
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	11	0.63
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	11	0.63
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	19	0.63
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	19	0.63
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	19	0.63
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG11	18	0.63
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG12	18	0.63
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG13	18	0.63
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG21	18	0.63
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG22	18	0.63
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG23	18	0.63
(1,919)	1:74:A:GLY:H	1:75:A:VAL:H	18	0.63
(1,887)	1:65:A:TYR:H	1:65:A:TYR:HA	12	0.63
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	7	0.63
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	7	0.63
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	14	0.63
(1,801)	1:48:A:SER:HB2	1:49:A:ARG:H	17	0.63
(1,801)	1:48:A:SER:HB3	1:49:A:ARG:H	17	0.63
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	7	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	8	0.63
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	20	0.63
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	14	0.63
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	17	0.63
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	19	0.63
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	19	0.63
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	19	0.63
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	6	0.63
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	6	0.63
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	7	0.63
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	7	0.63
(1,672)	1:19:A:ALA:HB1	1:20:A:PHE:H	10	0.63
(1,672)	1:19:A:ALA:HB2	1:20:A:PHE:H	10	0.63
(1,672)	1:19:A:ALA:HB3	1:20:A:PHE:H	10	0.63
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	18	0.62
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	18	0.62
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	18	0.62
(1,1253)	1:146:A:SER:HA	1:147:A:GLY:H	15	0.62
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	19	0.62
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	19	0.62
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	3	0.62
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	1	0.62
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	9	0.62
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	14	0.62
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	14	0.62
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	5	0.62
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	9	0.62
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	9	0.62
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	2	0.62
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	13	0.62
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	13	0.62
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	13	0.62
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	13	0.62
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	13	0.62
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	13	0.62
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	16	0.62
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	16	0.62
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	16	0.62
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	16	0.62
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	16	0.62
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	16	0.62
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	6	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	6	0.62
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	6	0.62
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	2	0.62
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	5	0.62
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	19	0.62
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	19	0.62
(1,1035)	1:102:A:MET:H	1:102:A:MET:HG2	19	0.62
(1,1035)	1:102:A:MET:H	1:102:A:MET:HG3	19	0.62
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	9	0.62
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	9	0.62
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	2	0.62
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	9	0.62
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	10	0.62
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	10	0.62
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	10	0.62
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	14	0.62
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	14	0.62
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	14	0.62
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	13	0.62
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	13	0.62
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	11	0.62
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	11	0.62
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	6	0.62
(1,900)	1:68:A:THR:H	1:69:A:GLY:H	17	0.62
(1,887)	1:65:A:TYR:H	1:65:A:TYR:HA	5	0.62
(1,887)	1:65:A:TYR:H	1:65:A:TYR:HA	11	0.62
(1,836)	1:57:A:CYS:H	1:57:A:CYS:HG	11	0.62
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	6	0.62
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	1	0.62
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	7	0.62
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	14	0.62
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	14	0.62
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	1	0.62
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	1	0.62
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	16	0.62
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	20	0.62
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	19	0.62
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	6	0.62
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	6	0.62
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	9	0.61
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	9	0.61
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	17	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	17	0.61
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	18	0.61
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	18	0.61
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	18	0.61
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	18	0.61
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	18	0.61
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	18	0.61
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	11	0.61
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	5	0.61
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	5	0.61
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	16	0.61
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	12	0.61
(1,1169)	1:127:A:SER:H	1:128:A:ILE:H	6	0.61
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	6	0.61
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	1	0.61
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	1	0.61
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	1	0.61
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	4	0.61
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	4	0.61
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	4	0.61
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	14	0.61
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	14	0.61
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	14	0.61
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	14	0.61
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	14	0.61
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	14	0.61
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	4	0.61
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	3	0.61
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	3	0.61
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	3	0.61
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	3	0.61
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	3	0.61
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	3	0.61
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	9	0.61
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	6	0.61
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	17	0.61
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	13	0.61
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	13	0.61
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	13	0.61
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	13	0.61
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	13	0.61
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	13	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	13	0.61
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	13	0.61
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	13	0.61
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	13	0.61
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	13	0.61
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	13	0.61
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	15	0.61
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	15	0.61
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	16	0.61
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	5	0.61
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	2	0.61
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	2	0.61
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	13	0.61
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	19	0.61
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	8	0.61
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	8	0.61
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	5	0.61
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	5	0.61
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	6	0.61
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	6	0.61
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	7	0.61
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	3	0.61
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	3	0.61
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	3	0.61
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB1	1	0.61
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB2	1	0.61
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB3	1	0.61
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	4	0.61
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	4	0.61
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	13	0.61
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	13	0.61
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	15	0.61
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	17	0.61
(1,899)	1:68:A:THR:H	1:68:A:THR:HG21	9	0.61
(1,899)	1:68:A:THR:H	1:68:A:THR:HG22	9	0.61
(1,899)	1:68:A:THR:H	1:68:A:THR:HG23	9	0.61
(1,890)	1:65:A:TYR:H	1:66:A:TYR:H	1	0.61
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	5	0.61
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	5	0.61
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	5	0.61
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	5	0.61
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	5	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	5	0.61
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	19	0.61
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	19	0.61
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	7	0.61
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	2	0.61
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	3	0.61
(1,836)	1:57:A:CYS:H	1:57:A:CYS:HG	1	0.61
(1,836)	1:57:A:CYS:H	1:57:A:CYS:HG	7	0.61
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	20	0.61
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	20	0.61
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	20	0.61
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	20	0.61
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	20	0.61
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	20	0.61
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	20	0.61
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	20	0.61
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	20	0.61
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	20	0.61
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	20	0.61
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	20	0.61
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	5	0.61
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	5	0.61
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	5	0.61
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	5	0.61
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	5	0.61
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	5	0.61
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	5	0.61
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	8	0.61
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	10	0.61
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	17	0.61
(1,801)	1:48:A:SER:HB2	1:49:A:ARG:H	19	0.61
(1,801)	1:48:A:SER:HB3	1:49:A:ARG:H	19	0.61
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	2	0.61
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	7	0.61
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	11	0.61
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	16	0.61
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	16	0.61
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	16	0.61
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	7	0.61
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	1	0.61
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	1	0.61
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	1	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	10	0.61
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	10	0.61
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	10	0.61
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	17	0.61
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	12	0.61
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	12	0.61
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	7	0.61
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	7	0.61
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG2	14	0.61
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG3	14	0.61
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB2	14	0.61
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB3	14	0.61
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	20	0.61
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	20	0.61
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	17	0.6
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	17	0.6
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	15	0.6
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	14	0.6
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	14	0.6
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	8	0.6
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG2	7	0.6
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG3	7	0.6
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	18	0.6
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	18	0.6
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	18	0.6
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	1	0.6
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	1	0.6
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	1	0.6
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	15	0.6
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	15	0.6
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	15	0.6
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	2	0.6
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	1	0.6
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	3	0.6
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	7	0.6
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	6	0.6
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	7	0.6
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	6	0.6
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	6	0.6
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	6	0.6
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	6	0.6
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	6	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	6	0.6
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	14	0.6
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	14	0.6
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	14	0.6
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	14	0.6
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	14	0.6
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	14	0.6
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	1	0.6
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	4	0.6
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	19	0.6
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	19	0.6
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	19	0.6
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	20	0.6
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	20	0.6
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	20	0.6
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	19	0.6
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	6	0.6
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	2	0.6
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	11	0.6
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	11	0.6
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	11	0.6
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	11	0.6
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	11	0.6
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	11	0.6
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	11	0.6
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	11	0.6
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	19	0.6
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	19	0.6
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	19	0.6
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	19	0.6
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	19	0.6
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	19	0.6
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	19	0.6
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	19	0.6
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	15	0.6
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	4	0.6
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	4	0.6
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	17	0.6
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	5	0.6
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	20	0.6
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	20	0.6
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	20	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	15	0.6
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	1	0.6
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	1	0.6
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	4	0.6
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	7	0.6
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	19	0.6
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	11	0.6
(1,887)	1:65:A:TYR:H	1:65:A:TYR:HA	9	0.6
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	4	0.6
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	4	0.6
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	4	0.6
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	4	0.6
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	4	0.6
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	4	0.6
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	9	0.6
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	9	0.6
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	14	0.6
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	14	0.6
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	10	0.6
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	10	0.6
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	6	0.6
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	9	0.6
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	12	0.6
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	12	0.6
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	2	0.6
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	2	0.6
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	2	0.6
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	2	0.6
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	2	0.6
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	2	0.6
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	6	0.6
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	6	0.6
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	6	0.6
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	6	0.6
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	6	0.6
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	6	0.6
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	4	0.6
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	14	0.6
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	16	0.6
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	18	0.6
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	3	0.6
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	5	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	15	0.6
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	15	0.6
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	1	0.6
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	4	0.6
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	14	0.6
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	10	0.6
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	10	0.6
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB2	20	0.6
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB3	20	0.6
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	7	0.6
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	7	0.6
(1,256)	1:65:A:TYR:H	1:65:A:TYR:HD2	14	0.6
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	16	0.59
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	16	0.59
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	16	0.59
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	19	0.59
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	19	0.59
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	19	0.59
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	4	0.59
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	4	0.59
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	14	0.59
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	14	0.59
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	15	0.59
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	15	0.59
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	1	0.59
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	18	0.59
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	2	0.59
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	2	0.59
(1,1195)	1:130:A:ARG:H	1:130:A:ARG:HG2	2	0.59
(1,1195)	1:130:A:ARG:H	1:130:A:ARG:HG3	2	0.59
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	14	0.59
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	14	0.59
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	14	0.59
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	11	0.59
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	11	0.59
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	11	0.59
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	11	0.59
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	8	0.59
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	8	0.59
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	8	0.59
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	16	0.59
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	16	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	16	0.59
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	16	0.59
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	16	0.59
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	16	0.59
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	5	0.59
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	10	0.59
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	4	0.59
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	2	0.59
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	3	0.59
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	5	0.59
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	10	0.59
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	12	0.59
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	19	0.59
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	20	0.59
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	19	0.59
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	20	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	3	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	3	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	3	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	3	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	3	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	3	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	12	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	12	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	12	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	12	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	12	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	12	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	20	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	20	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	20	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	20	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	20	0.59
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	20	0.59
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	5	0.59
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	8	0.59
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	19	0.59
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	6	0.59
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	6	0.59
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	6	0.59
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	6	0.59
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	19	0.59
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	19	0.59
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	19	0.59
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	18	0.59
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	18	0.59
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	18	0.59
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	18	0.59
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	18	0.59
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	18	0.59
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	18	0.59
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	18	0.59
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	14	0.59
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	14	0.59
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	20	0.59
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	20	0.59
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	14	0.59
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	12	0.59
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	12	0.59
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	16	0.59
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	8	0.59
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	1	0.59
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	1	0.59
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	1	0.59
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	2	0.59
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	2	0.59
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	14	0.59
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	14	0.59
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	8	0.59
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	8	0.59
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	7	0.59
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	17	0.59
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	18	0.59
(1,820)	1:51:A:LEU:HA	1:52:A:ARG:H	4	0.59
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	4	0.59
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	4	0.59
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	4	0.59
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	4	0.59
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	4	0.59
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	4	0.59
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	2	0.59
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	7	0.59
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	9	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	11	0.59
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	20	0.59
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	5	0.59
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	2	0.59
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	8	0.59
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	12	0.59
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	15	0.59
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	16	0.59
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	16	0.59
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	16	0.59
(1,720)	1:33:A:ARG:HA	1:36:A:ASP:H	16	0.59
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	14	0.59
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	14	0.59
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	20	0.59
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	20	0.59
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	18	0.59
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	18	0.59
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	18	0.59
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	6	0.58
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	6	0.58
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	7	0.58
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	4	0.58
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	18	0.58
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	20	0.58
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	20	0.58
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	20	0.58
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	19	0.58
(1,1122)	1:116:A:VAL:H	1:116:A:VAL:HA	18	0.58
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	7	0.58
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	11	0.58
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	13	0.58
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	15	0.58
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	1	0.58
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	5	0.58
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	19	0.58
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	6	0.58
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	6	0.58
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	6	0.58
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	6	0.58
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	6	0.58
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	6	0.58
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	15	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	13	0.58
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	13	0.58
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	13	0.58
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	13	0.58
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	2	0.58
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	2	0.58
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	2	0.58
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	2	0.58
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	2	0.58
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	2	0.58
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	2	0.58
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	2	0.58
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	2	0.58
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	6	0.58
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	19	0.58
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	6	0.58
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG2	1	0.58
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG3	1	0.58
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	2	0.58
(1,978)	1:91:A:LYS:H	1:92:A:ILE:H	12	0.58
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	5	0.58
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	5	0.58
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	14	0.58
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	14	0.58
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	3	0.58
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	3	0.58
(1,947)	1:85:A:THR:HA	1:85:A:THR:HG1	12	0.58
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	12	0.58
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	12	0.58
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	12	0.58
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	15	0.58
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	10	0.58
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	16	0.58
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	15	0.58
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	15	0.58
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB2	9	0.58
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB3	9	0.58
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	13	0.58
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	13	0.58
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	13	0.58
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	9	0.58
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	3	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	6	0.58
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	12	0.58
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	13	0.58
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	19	0.58
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	17	0.58
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	17	0.58
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	19	0.58
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	19	0.58
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	9	0.58
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	8	0.58
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	15	0.58
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	15	0.58
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	15	0.58
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	15	0.58
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	15	0.58
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	15	0.58
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	18	0.58
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	1	0.58
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	1	0.58
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	1	0.58
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	17	0.58
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	17	0.58
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	17	0.58
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	1	0.58
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	18	0.58
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	19	0.58
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	16	0.58
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	11	0.58
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	11	0.58
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	11	0.58
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	18	0.58
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	18	0.58
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG2	18	0.58
(1,706)	1:31:A:ARG:H	1:31:A:ARG:HG3	18	0.58
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	15	0.58
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	15	0.58
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	15	0.58
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	15	0.58
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	15	0.58
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	15	0.58
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	2	0.58
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	2	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:19:A:ALA:HB1	1:20:A:PHE:H	17	0.58
(1,672)	1:19:A:ALA:HB2	1:20:A:PHE:H	17	0.58
(1,672)	1:19:A:ALA:HB3	1:20:A:PHE:H	17	0.58
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	4	0.57
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	4	0.57
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	4	0.57
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	18	0.57
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	18	0.57
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	3	0.57
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	3	0.57
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	15	0.57
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	15	0.57
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	15	0.57
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	15	0.57
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	15	0.57
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	15	0.57
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD2	16	0.57
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD3	16	0.57
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD2	16	0.57
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD3	16	0.57
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	9	0.57
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	9	0.57
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	9	0.57
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	13	0.57
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	13	0.57
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	13	0.57
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	3	0.57
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	6	0.57
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	15	0.57
(1,1180)	1:128:A:ILE:HA	1:131:A:ILE:H	6	0.57
(1,1149)	1:121:A:THR:H	1:121:A:THR:HG1	13	0.57
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	2	0.57
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	7	0.57
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	12	0.57
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	13	0.57
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	15	0.57
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	17	0.57
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	18	0.57
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	8	0.57
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	14	0.57
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	16	0.57
(1,1114)	1:114:A:GLU:H	1:114:A:GLU:HA	18	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	11	0.57
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	11	0.57
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	11	0.57
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	12	0.57
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	5	0.57
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	5	0.57
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	5	0.57
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	5	0.57
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	5	0.57
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	5	0.57
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	13	0.57
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	13	0.57
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	13	0.57
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	15	0.57
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	14	0.57
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	4	0.57
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	12	0.57
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	5	0.57
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	18	0.57
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	15	0.57
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	15	0.57
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	15	0.57
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	15	0.57
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	15	0.57
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	15	0.57
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	15	0.57
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	15	0.57
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	15	0.57
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	16	0.57
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	2	0.57
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	2	0.57
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	1	0.57
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	1	0.57
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	5	0.57
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	14	0.57
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	9	0.57
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	14	0.57
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	8	0.57
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	8	0.57
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	16	0.57
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	16	0.57
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	17	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	17	0.57
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	1	0.57
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	1	0.57
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	5	0.57
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	18	0.57
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	19	0.57
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	19	0.57
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG11	17	0.57
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG12	17	0.57
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG13	17	0.57
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG21	17	0.57
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG22	17	0.57
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG23	17	0.57
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	3	0.57
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	11	0.57
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	12	0.57
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	13	0.57
(1,879)	1:64:A:ARG:H	1:65:A:TYR:H	2	0.57
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	16	0.57
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	16	0.57
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	16	0.57
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	7	0.57
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	13	0.57
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	13	0.57
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	10	0.57
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	10	0.57
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	10	0.57
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	10	0.57
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	10	0.57
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	10	0.57
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	20	0.57
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	20	0.57
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	20	0.57
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	20	0.57
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	20	0.57
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	20	0.57
(1,814)	1:51:A:LEU:H	1:51:A:LEU:HA	15	0.57
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	13	0.57
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	13	0.57
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	20	0.57
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	20	0.57
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	14	0.57
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	14	0.57
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	9	0.57
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	17	0.57
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	17	0.57
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	11	0.57
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	11	0.57
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	11	0.57
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	11	0.57
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	9	0.57
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	9	0.57
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	6	0.57
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	17	0.57
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	17	0.57
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG2	10	0.57
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG3	10	0.57
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB2	10	0.57
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB3	10	0.57
(1,1253)	1:146:A:SER:HA	1:147:A:GLY:H	3	0.56
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	5	0.56
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	5	0.56
(1,1229)	1:135:A:LYS:H	1:136:A:VAL:H	16	0.56
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	3	0.56
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	3	0.56
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	9	0.56
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	9	0.56
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	4	0.56
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	2	0.56
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	9	0.56
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	13	0.56
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	7	0.56
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	7	0.56
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	7	0.56
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	7	0.56
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	3	0.56
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	3	0.56
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	3	0.56
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	8	0.56
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	16	0.56
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	16	0.56
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	16	0.56
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG11	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG12	15	0.56
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG13	15	0.56
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG21	15	0.56
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG22	15	0.56
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG23	15	0.56
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	10	0.56
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	10	0.56
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	10	0.56
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	4	0.56
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	7	0.56
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	2	0.56
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	4	0.56
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	13	0.56
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	3	0.56
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	17	0.56
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	2	0.56
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	16	0.56
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	9	0.56
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	9	0.56
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	9	0.56
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	17	0.56
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	17	0.56
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	17	0.56
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	17	0.56
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	17	0.56
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	17	0.56
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	17	0.56
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	17	0.56
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	17	0.56
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	6	0.56
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	13	0.56
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	13	0.56
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	13	0.56
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	13	0.56
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	13	0.56
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	13	0.56
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	13	0.56
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	13	0.56
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	7	0.56
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD2	2	0.56
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD3	2	0.56
(1,988)	1:92:A:ILE:H	1:93:A:GLY:H	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	1	0.56
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	2	0.56
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	6	0.56
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	11	0.56
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	15	0.56
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	20	0.56
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	15	0.56
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	15	0.56
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	17	0.56
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	9	0.56
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	6	0.56
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	6	0.56
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	6	0.56
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	17	0.56
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	17	0.56
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	17	0.56
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB1	14	0.56
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB2	14	0.56
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB3	14	0.56
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	5	0.56
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	5	0.56
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	12	0.56
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	12	0.56
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	2	0.56
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	2	0.56
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	2	0.56
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	18	0.56
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	18	0.56
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	18	0.56
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	4	0.56
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	4	0.56
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	4	0.56
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	4	0.56
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	18	0.56
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	18	0.56
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	13	0.56
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	13	0.56
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	9	0.56
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	9	0.56
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	14	0.56
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	14	0.56
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	11	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	14	0.56
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	14	0.56
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	14	0.56
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	14	0.56
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	14	0.56
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	14	0.56
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	14	0.56
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	14	0.56
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	14	0.56
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	14	0.56
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	14	0.56
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	14	0.56
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	10	0.56
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	15	0.56
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	3	0.56
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	3	0.56
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	5	0.56
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	5	0.56
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	5	0.56
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	5	0.56
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE21	5	0.56
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE22	5	0.56
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	2	0.56
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	2	0.56
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	3	0.55
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	3	0.55
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	3	0.55
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	18	0.55
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	18	0.55
(1,1229)	1:135:A:LYS:H	1:136:A:VAL:H	2	0.55
(1,1229)	1:135:A:LYS:H	1:136:A:VAL:H	6	0.55
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	7	0.55
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	7	0.55
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	6	0.55
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	6	0.55
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	3	0.55
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	11	0.55
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	11	0.55
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	7	0.55
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	8	0.55
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	10	0.55
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	7	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	15	0.55
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	15	0.55
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	15	0.55
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	12	0.55
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	12	0.55
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	15	0.55
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	2	0.55
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	13	0.55
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	13	0.55
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	13	0.55
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	13	0.55
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	10	0.55
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	10	0.55
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	10	0.55
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	10	0.55
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	10	0.55
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	10	0.55
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	10	0.55
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	16	0.55
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	18	0.55
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	20	0.55
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	12	0.55
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	7	0.55
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	7	0.55
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	7	0.55
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	5	0.55
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	11	0.55
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	20	0.55
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	20	0.55
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	19	0.55
(1,1030)	1:101:A:THR:H	1:101:A:THR:HG21	17	0.55
(1,1030)	1:101:A:THR:H	1:101:A:THR:HG22	17	0.55
(1,1030)	1:101:A:THR:H	1:101:A:THR:HG23	17	0.55
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	12	0.55
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	12	0.55
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	12	0.55
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	12	0.55
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	12	0.55
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	12	0.55
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	12	0.55
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	12	0.55
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	11	0.55
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	19	0.55
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	19	0.55
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	7	0.55
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	16	0.55
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	17	0.55
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	6	0.55
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	6	0.55
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	12	0.55
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	18	0.55
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	18	0.55
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	18	0.55
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	18	0.55
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	2	0.55
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	2	0.55
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	2	0.55
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	14	0.55
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	14	0.55
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	14	0.55
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	8	0.55
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	14	0.55
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	14	0.55
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	12	0.55
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	12	0.55
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	16	0.55
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	16	0.55
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	16	0.55
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	16	0.55
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	16	0.55
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	16	0.55
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	19	0.55
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	19	0.55
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	19	0.55
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	19	0.55
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	19	0.55
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	19	0.55
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	12	0.55
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	4	0.55
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	12	0.55
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	13	0.55
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	13	0.55
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	13	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	13	0.55
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	13	0.55
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	13	0.55
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	13	0.55
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	13	0.55
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	13	0.55
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	13	0.55
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	13	0.55
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	13	0.55
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	1	0.55
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	1	0.55
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	1	0.55
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	1	0.55
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	1	0.55
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	1	0.55
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	8	0.55
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	8	0.55
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	9	0.55
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	9	0.55
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	17	0.55
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	14	0.55
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	1	0.55
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	10	0.55
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	12	0.55
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	4	0.55
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	15	0.55
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	7	0.55
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	7	0.55
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	3	0.55
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	3	0.55
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD11	11	0.55
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD12	11	0.55
(1,709)	1:31:A:ARG:HA	1:71:A:ILE:HD13	11	0.55
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	4	0.55
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	4	0.55
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG2	2	0.55
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG3	2	0.55
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG2	16	0.55
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG3	16	0.55
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	5	0.54
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	5	0.54
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	10	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	20	0.54
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	20	0.54
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	20	0.54
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	20	0.54
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	7	0.54
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	11	0.54
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	12	0.54
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	14	0.54
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	20	0.54
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	5	0.54
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	3	0.54
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	3	0.54
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	9	0.54
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	9	0.54
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	9	0.54
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB2	6	0.54
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB3	6	0.54
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	20	0.54
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	2	0.54
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	2	0.54
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	2	0.54
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	2	0.54
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	2	0.54
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	2	0.54
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	11	0.54
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	11	0.54
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	11	0.54
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	11	0.54
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	11	0.54
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	11	0.54
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	7	0.54
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	7	0.54
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	7	0.54
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	1	0.54
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	9	0.54
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	14	0.54
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	7	0.54
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	12	0.54
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	20	0.54
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	2	0.54
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	6	0.54
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	18	0.54
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	2	0.54
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	13	0.54
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	1	0.54
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	1	0.54
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	1	0.54
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	1	0.54
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	1	0.54
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	1	0.54
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	1	0.54
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	1	0.54
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	15	0.54
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	10	0.54
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	10	0.54
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	4	0.54
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	4	0.54
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	7	0.54
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	7	0.54
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	19	0.54
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	19	0.54
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	2	0.54
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	5	0.54
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	6	0.54
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	6	0.54
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	4	0.54
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	10	0.54
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	7	0.54
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	7	0.54
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	18	0.54
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	18	0.54
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	14	0.54
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	18	0.54
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	19	0.54
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	19	0.54
(1,903)	1:69:A:GLY:H	1:70:A:SER:H	4	0.54
(1,879)	1:64:A:ARG:H	1:65:A:TYR:H	20	0.54
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	2	0.54
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	2	0.54
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	20	0.54
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	20	0.54
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	20	0.54
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	20	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	20	0.54
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	20	0.54
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	11	0.54
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	11	0.54
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	11	0.54
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	20	0.54
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	20	0.54
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	20	0.54
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	13	0.54
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	13	0.54
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	10	0.54
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	8	0.54
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	8	0.54
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	17	0.54
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	17	0.54
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG2	13	0.54
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG3	13	0.54
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	9	0.54
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	11	0.54
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	20	0.54
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	20	0.54
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	3	0.54
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	9	0.54
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	9	0.54
(1,759)	1:39:A:HIS:H	1:40:A:GLN:H	3	0.54
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	4	0.54
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	10	0.54
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE21	2	0.54
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE22	2	0.54
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE21	2	0.54
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE22	2	0.54
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	9	0.54
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	13	0.54
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	13	0.54
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	13	0.54
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	13	0.54
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	13	0.54
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	13	0.54
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB2	7	0.54
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB3	7	0.54
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	5	0.53
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	10	0.53
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	10	0.53
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	10	0.53
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	10	0.53
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	10	0.53
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	10	0.53
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	11	0.53
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	11	0.53
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	7	0.53
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	7	0.53
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	7	0.53
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	15	0.53
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	11	0.53
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	11	0.53
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	11	0.53
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	16	0.53
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	9	0.53
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	1	0.53
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	5	0.53
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	19	0.53
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	8	0.53
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	8	0.53
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	8	0.53
(1,1169)	1:127:A:SER:H	1:128:A:ILE:H	20	0.53
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	3	0.53
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	3	0.53
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	3	0.53
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	8	0.53
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	8	0.53
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	8	0.53
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	4	0.53
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	4	0.53
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	4	0.53
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	14	0.53
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	14	0.53
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	14	0.53
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	19	0.53
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	19	0.53
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	19	0.53
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	13	0.53
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	13	0.53
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	13	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	13	0.53
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	13	0.53
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	13	0.53
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	11	0.53
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	15	0.53
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	16	0.53
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	8	0.53
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	14	0.53
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	2	0.53
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	2	0.53
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	2	0.53
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	2	0.53
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	2	0.53
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	2	0.53
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	2	0.53
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	11	0.53
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	11	0.53
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	11	0.53
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	11	0.53
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	19	0.53
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	19	0.53
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	19	0.53
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	19	0.53
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	14	0.53
(1,1049)	1:104:A:ALA:HB1	1:105:A:TRP:H	6	0.53
(1,1049)	1:104:A:ALA:HB2	1:105:A:TRP:H	6	0.53
(1,1049)	1:104:A:ALA:HB3	1:105:A:TRP:H	6	0.53
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD11	17	0.53
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD12	17	0.53
(1,1047)	1:104:A:ALA:HA	1:107:A:ILE:HD13	17	0.53
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	15	0.53
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	3	0.53
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	3	0.53
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG2	3	0.53
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG3	3	0.53
(1,1030)	1:101:A:THR:H	1:101:A:THR:HG21	8	0.53
(1,1030)	1:101:A:THR:H	1:101:A:THR:HG22	8	0.53
(1,1030)	1:101:A:THR:H	1:101:A:THR:HG23	8	0.53
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	4	0.53
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	17	0.53
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	19	0.53
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	19	0.53
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	14	0.53
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	20	0.53
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	20	0.53
(1,981)	1:91:A:LYS:HA	1:94:A:ASP:H	18	0.53
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	3	0.53
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	4	0.53
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	2	0.53
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	2	0.53
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	9	0.53
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	9	0.53
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	1	0.53
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	5	0.53
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	1	0.53
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	6	0.53
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	9	0.53
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	9	0.53
(1,905)	1:70:A:SER:H	1:70:A:SER:HB2	11	0.53
(1,905)	1:70:A:SER:H	1:70:A:SER:HB3	11	0.53
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	13	0.53
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	13	0.53
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	13	0.53
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	13	0.53
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	13	0.53
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	13	0.53
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	2	0.53
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	20	0.53
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	1	0.53
(1,839)	1:57:A:CYS:HB2	1:58:A:VAL:H	17	0.53
(1,839)	1:57:A:CYS:HB3	1:58:A:VAL:H	17	0.53
(1,839)	1:57:A:CYS:HB2	1:58:A:VAL:H	17	0.53
(1,839)	1:57:A:CYS:HB3	1:58:A:VAL:H	17	0.53
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	2	0.53
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	2	0.53
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	2	0.53
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	2	0.53
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	2	0.53
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	2	0.53
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	2	0.53
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	2	0.53
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	2	0.53
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	2	0.53
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	2	0.53
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	14	0.53
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	14	0.53
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	11	0.53
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	11	0.53
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	2	0.53
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	4	0.53
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	11	0.53
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	15	0.53
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	15	0.53
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	15	0.53
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	15	0.53
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	15	0.53
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	15	0.53
(1,777)	1:45:A:CYS:HA	1:46:A:ASP:H	1	0.53
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	8	0.53
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	8	0.53
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	8	0.53
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	8	0.53
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	8	0.53
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	8	0.53
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	10	0.53
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	19	0.53
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	13	0.53
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	13	0.53
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	6	0.53
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	19	0.53
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	5	0.53
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	5	0.53
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE21	8	0.53
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE22	8	0.53
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE21	8	0.53
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE22	8	0.53
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	10	0.53
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	10	0.53
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	10	0.53
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	10	0.53
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	10	0.53
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	10	0.53
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG11	4	0.53
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG12	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG13	4	0.53
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG21	4	0.53
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG22	4	0.53
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG23	4	0.53
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG11	14	0.53
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG12	14	0.53
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG13	14	0.53
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG21	14	0.53
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG22	14	0.53
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG23	14	0.53
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	2	0.53
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	18	0.53
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	1	0.53
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	1	0.53
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	8	0.53
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	8	0.53
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	12	0.52
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	12	0.52
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	20	0.52
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	6	0.52
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	9	0.52
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	5	0.52
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	1	0.52
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	2	0.52
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	10	0.52
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	13	0.52
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	17	0.52
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	16	0.52
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	19	0.52
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	19	0.52
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	19	0.52
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	11	0.52
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	11	0.52
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	11	0.52
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	1	0.52
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	8	0.52
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	9	0.52
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	10	0.52
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	11	0.52
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	18	0.52
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	1	0.52
(1,1054)	1:105:A:TRP:H	1:105:A:TRP:HD1	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	6	0.52
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	20	0.52
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	20	0.52
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG2	14	0.52
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG3	14	0.52
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	16	0.52
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	5	0.52
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	2	0.52
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	5	0.52
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	9	0.52
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	11	0.52
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	12	0.52
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	15	0.52
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	18	0.52
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	11	0.52
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	5	0.52
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	12	0.52
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	4	0.52
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	4	0.52
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	4	0.52
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	4	0.52
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	4	0.52
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	4	0.52
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD2	8	0.52
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD3	8	0.52
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	12	0.52
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	12	0.52
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	8	0.52
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	13	0.52
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	5	0.52
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	5	0.52
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	16	0.52
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	7	0.52
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	7	0.52
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	7	0.52
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	7	0.52
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	11	0.52
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	11	0.52
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	11	0.52
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	11	0.52
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	19	0.52
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	19	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	19	0.52
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	19	0.52
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	8	0.52
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	16	0.52
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	7	0.52
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	18	0.52
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	17	0.52
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	17	0.52
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	1	0.52
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	9	0.52
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	20	0.52
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	18	0.52
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	18	0.52
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	18	0.52
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	18	0.52
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	12	0.52
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	10	0.52
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	15	0.52
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	16	0.52
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	12	0.52
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	15	0.52
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	11	0.52
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	11	0.52
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	9	0.52
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	16	0.52
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	11	0.52
(1,768)	1:42:A:VAL:H	1:42:A:VAL:HA	3	0.52
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	9	0.52
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	8	0.52
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	16	0.52
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	8	0.52
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	8	0.52
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	17	0.52
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	17	0.52
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	15	0.52
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	15	0.52
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	15	0.52
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	11	0.52
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	12	0.52
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	16	0.52
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	3	0.52
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	3	0.52
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	2	0.52
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	2	0.52
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE21	13	0.52
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE22	13	0.52
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE21	13	0.52
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE22	13	0.52
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	19	0.52
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	19	0.52
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	19	0.52
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	19	0.52
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	2	0.52
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	2	0.52
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	2	0.52
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	2	0.52
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	2	0.52
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	2	0.52
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	6	0.52
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	6	0.52
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	6	0.52
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	6	0.52
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	6	0.52
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	6	0.52
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	15	0.52
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	15	0.52
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	8	0.52
(1,672)	1:19:A:ALA:HB1	1:20:A:PHE:H	19	0.52
(1,672)	1:19:A:ALA:HB2	1:20:A:PHE:H	19	0.52
(1,672)	1:19:A:ALA:HB3	1:20:A:PHE:H	19	0.52
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	16	0.52
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	11	0.51
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	11	0.51
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	11	0.51
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	17	0.51
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	17	0.51
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	17	0.51
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	17	0.51
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	17	0.51
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	13	0.51
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	13	0.51
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	15	0.51
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	15	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	17	0.51
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	11	0.51
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	1	0.51
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	1	0.51
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	18	0.51
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	18	0.51
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	18	0.51
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	14	0.51
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	14	0.51
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	14	0.51
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	5	0.51
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	5	0.51
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	5	0.51
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	5	0.51
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	5	0.51
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	5	0.51
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	12	0.51
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	15	0.51
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	4	0.51
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	4	0.51
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	4	0.51
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	4	0.51
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	9	0.51
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	9	0.51
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	9	0.51
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	9	0.51
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	14	0.51
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	6	0.51
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	10	0.51
(1,1088)	1:110:A:ARG:H	1:110:A:ARG:HA	17	0.51
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	7	0.51
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	9	0.51
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	13	0.51
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	8	0.51
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	8	0.51
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	8	0.51
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	8	0.51
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	8	0.51
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	8	0.51
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	8	0.51
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	20	0.51
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	13	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	3	0.51
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	4	0.51
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	16	0.51
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	16	0.51
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	16	0.51
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	16	0.51
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	16	0.51
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	16	0.51
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	16	0.51
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	16	0.51
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	6	0.51
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	18	0.51
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	17	0.51
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	15	0.51
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	15	0.51
(1,983)	1:91:A:LYS:HA	1:95:A:TYR:H	9	0.51
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	9	0.51
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	12	0.51
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	14	0.51
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	4	0.51
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	9	0.51
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	11	0.51
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	15	0.51
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	1	0.51
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	5	0.51
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	18	0.51
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	13	0.51
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	13	0.51
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	13	0.51
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	13	0.51
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	6	0.51
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	13	0.51
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	2	0.51
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	15	0.51
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	20	0.51
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	19	0.51
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	19	0.51
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	19	0.51
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	19	0.51
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	19	0.51
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	19	0.51
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	19	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	19	0.51
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	19	0.51
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	19	0.51
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	19	0.51
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	19	0.51
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	9	0.51
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	9	0.51
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	9	0.51
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG11	15	0.51
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG12	15	0.51
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG13	15	0.51
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG21	15	0.51
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG22	15	0.51
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG23	15	0.51
(1,900)	1:68:A:THR:H	1:69:A:GLY:H	18	0.51
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	9	0.51
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	9	0.51
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	20	0.51
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	20	0.51
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	19	0.51
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	8	0.51
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	8	0.51
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	8	0.51
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	8	0.51
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	8	0.51
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	8	0.51
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	20	0.51
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	20	0.51
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	9	0.51
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	9	0.51
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	8	0.51
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	2	0.51
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	2	0.51
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	9	0.51
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	9	0.51
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	19	0.51
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	20	0.51
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	20	0.51
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	20	0.51
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	20	0.51
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	20	0.51
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	20	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	4	0.51
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	19	0.51
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	2	0.51
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	5	0.51
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	11	0.51
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	14	0.51
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	14	0.51
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	14	0.51
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	16	0.51
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	16	0.51
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	20	0.51
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	20	0.51
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	5	0.51
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	5	0.51
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	5	0.51
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	4	0.51
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	4	0.51
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	4	0.51
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	5	0.51
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	5	0.51
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	7	0.5
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	7	0.5
(1,1240)	1:138:A:GLN:H	1:138:A:GLN:HA	14	0.5
(1,1229)	1:135:A:LYS:H	1:136:A:VAL:H	5	0.5
(1,1229)	1:135:A:LYS:H	1:136:A:VAL:H	17	0.5
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	20	0.5
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	7	0.5
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	14	0.5
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG2	1	0.5
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG3	1	0.5
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	12	0.5
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	17	0.5
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	5	0.5
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	5	0.5
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	5	0.5
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	5	0.5
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	5	0.5
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	5	0.5
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	18	0.5
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	18	0.5
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	18	0.5
(1,1126)	1:116:A:VAL:HB	1:117:A:CYS:H	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	1	0.5
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	1	0.5
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	1	0.5
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	1	0.5
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	1	0.5
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	1	0.5
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	8	0.5
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	8	0.5
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	8	0.5
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	8	0.5
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	8	0.5
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	8	0.5
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	2	0.5
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	2	0.5
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	2	0.5
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	4	0.5
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	4	0.5
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	4	0.5
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	4	0.5
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	4	0.5
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	4	0.5
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	8	0.5
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	8	0.5
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	8	0.5
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	8	0.5
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	8	0.5
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	8	0.5
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	15	0.5
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	15	0.5
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	15	0.5
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	6	0.5
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	7	0.5
(1,1083)	1:109:A:ASP:H	1:109:A:ASP:HA	14	0.5
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	20	0.5
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	10	0.5
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	7	0.5
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	19	0.5
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	19	0.5
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	19	0.5
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	19	0.5
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	19	0.5
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	19	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	19	0.5
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	19	0.5
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	19	0.5
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	16	0.5
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	16	0.5
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	3	0.5
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	3	0.5
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	9	0.5
(1,1030)	1:101:A:THR:H	1:101:A:THR:HG21	19	0.5
(1,1030)	1:101:A:THR:H	1:101:A:THR:HG22	19	0.5
(1,1030)	1:101:A:THR:H	1:101:A:THR:HG23	19	0.5
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	1	0.5
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	7	0.5
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	14	0.5
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	12	0.5
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	2	0.5
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	9	0.5
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	9	0.5
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	7	0.5
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	10	0.5
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	19	0.5
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	15	0.5
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	15	0.5
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	2	0.5
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	2	0.5
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	7	0.5
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	10	0.5
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	19	0.5
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	2	0.5
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	7	0.5
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	11	0.5
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	20	0.5
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	20	0.5
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	1	0.5
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	1	0.5
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	1	0.5
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	1	0.5
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	12	0.5
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	19	0.5
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	11	0.5
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	8	0.5
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	8	0.5
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	20	0.5
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	20	0.5
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG2	5	0.5
(1,918)	1:72:A:ARG:H	1:72:A:ARG:HG3	5	0.5
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	20	0.5
(1,905)	1:70:A:SER:H	1:70:A:SER:HB2	18	0.5
(1,905)	1:70:A:SER:H	1:70:A:SER:HB3	18	0.5
(1,903)	1:69:A:GLY:H	1:70:A:SER:H	6	0.5
(1,900)	1:68:A:THR:H	1:69:A:GLY:H	13	0.5
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	13	0.5
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	13	0.5
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	19	0.5
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	9	0.5
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	9	0.5
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	9	0.5
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	11	0.5
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	12	0.5
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	5	0.5
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	18	0.5
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	2	0.5
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	2	0.5
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	19	0.5
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	19	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	9	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	9	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	9	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	9	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	9	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	9	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	14	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	14	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	14	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	14	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	14	0.5
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	14	0.5
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	5	0.5
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	5	0.5
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	7	0.5
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	7	0.5
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	7	0.5
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	7	0.5
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	7	0.5
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	16	0.5
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	16	0.5
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	16	0.5
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	16	0.5
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	16	0.5
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	16	0.5
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	2	0.5
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	4	0.5
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	20	0.5
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	3	0.5
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	5	0.5
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	16	0.5
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	17	0.5
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	17	0.5
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	10	0.5
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	10	0.5
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	15	0.5
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	15	0.5
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE21	15	0.5
(1,713)	1:32:A:GLN:HA	1:32:A:GLN:HE22	15	0.5
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	16	0.5
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	16	0.5
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	11	0.5
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	11	0.5
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	11	0.5
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	3	0.5
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	3	0.5
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	3	0.5
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	3	0.5
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	3	0.5
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	3	0.5
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	20	0.5
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	3	0.5
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB2	13	0.5
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB3	13	0.5
(1,1245)	1:140:A:PHE:HB2	1:141:A:ASN:H	5	0.49
(1,1245)	1:140:A:PHE:HB3	1:141:A:ASN:H	5	0.49
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	6	0.49
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	6	0.49
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	13	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	13	0.49
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	2	0.49
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	11	0.49
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	19	0.49
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	3	0.49
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	8	0.49
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	11	0.49
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	5	0.49
(1,1171)	1:127:A:SER:HB2	1:128:A:ILE:H	4	0.49
(1,1171)	1:127:A:SER:HB3	1:128:A:ILE:H	4	0.49
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	5	0.49
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	5	0.49
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	5	0.49
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	11	0.49
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	11	0.49
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	11	0.49
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	8	0.49
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	8	0.49
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	8	0.49
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	19	0.49
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	19	0.49
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	19	0.49
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	19	0.49
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	19	0.49
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	19	0.49
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	17	0.49
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	3	0.49
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	4	0.49
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	1	0.49
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	3	0.49
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	7	0.49
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	17	0.49
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	15	0.49
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	15	0.49
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	15	0.49
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	15	0.49
(1,1049)	1:104:A:ALA:HB1	1:105:A:TRP:H	2	0.49
(1,1049)	1:104:A:ALA:HB2	1:105:A:TRP:H	2	0.49
(1,1049)	1:104:A:ALA:HB3	1:105:A:TRP:H	2	0.49
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	15	0.49
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	18	0.49
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	3	0.49
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	2	0.49
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	11	0.49
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	11	0.49
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	13	0.49
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	13	0.49
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	7	0.49
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	7	0.49
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	10	0.49
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	10	0.49
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	8	0.49
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	3	0.49
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	16	0.49
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	17	0.49
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	20	0.49
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	6	0.49
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	11	0.49
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	20	0.49
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	13	0.49
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	14	0.49
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	16	0.49
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	20	0.49
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	20	0.49
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	3	0.49
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	3	0.49
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	3	0.49
(1,905)	1:70:A:SER:H	1:70:A:SER:HB2	19	0.49
(1,905)	1:70:A:SER:H	1:70:A:SER:HB3	19	0.49
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG2	4	0.49
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG3	4	0.49
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	9	0.49
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	9	0.49
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	9	0.49
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	9	0.49
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	9	0.49
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	9	0.49
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	13	0.49
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	13	0.49
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	13	0.49
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	14	0.49
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	14	0.49
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	15	0.49
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	17	0.49
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	16	0.49
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	18	0.49
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	16	0.49
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	16	0.49
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	16	0.49
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	16	0.49
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	16	0.49
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	16	0.49
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	17	0.49
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	17	0.49
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	17	0.49
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	17	0.49
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	17	0.49
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	17	0.49
(1,813)	1:50:A:GLN:HB2	1:51:A:LEU:H	16	0.49
(1,813)	1:50:A:GLN:HB3	1:51:A:LEU:H	16	0.49
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	20	0.49
(1,803)	1:49:A:ARG:H	1:49:A:ARG:HG2	13	0.49
(1,803)	1:49:A:ARG:H	1:49:A:ARG:HG3	13	0.49
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	4	0.49
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	4	0.49
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	13	0.49
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	13	0.49
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	16	0.49
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	16	0.49
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	12	0.49
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	7	0.49
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	7	0.49
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	2	0.49
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	7	0.49
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE21	9	0.49
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE22	9	0.49
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD11	10	0.49
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD12	10	0.49
(1,726)	1:34:A:ILE:H	1:34:A:ILE:HD13	10	0.49
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	19	0.49
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	19	0.49
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	8	0.49
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	8	0.49
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	8	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	12	0.49
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	12	0.49
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	12	0.49
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	7	0.49
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	7	0.49
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	7	0.49
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	7	0.49
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	7	0.49
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	7	0.49
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	18	0.49
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	18	0.49
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	4	0.49
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	4	0.49
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	13	0.49
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	13	0.49
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	15	0.49
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	15	0.49
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	6	0.49
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	10	0.49
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	12	0.49
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	13	0.49
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	13	0.49
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	15	0.48
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	20	0.48
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	16	0.48
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	16	0.48
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	3	0.48
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	12	0.48
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	2	0.48
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	17	0.48
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	18	0.48
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	13	0.48
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	13	0.48
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	15	0.48
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	6	0.48
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	9	0.48
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	15	0.48
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	1	0.48
(1,1178)	1:128:A:ILE:H	1:129:A:ASN:H	20	0.48
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	2	0.48
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	2	0.48
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	2	0.48
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	2	0.48
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	2	0.48
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	7	0.48
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	7	0.48
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	7	0.48
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	10	0.48
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	10	0.48
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	10	0.48
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	20	0.48
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	14	0.48
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	11	0.48
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	20	0.48
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	13	0.48
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	17	0.48
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	5	0.48
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	5	0.48
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	5	0.48
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	8	0.48
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	4	0.48
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	4	0.48
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	4	0.48
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	4	0.48
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	7	0.48
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	7	0.48
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	7	0.48
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	7	0.48
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	7	0.48
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	7	0.48
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	17	0.48
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	17	0.48
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	17	0.48
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	17	0.48
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	17	0.48
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	17	0.48
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	10	0.48
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	10	0.48
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	10	0.48
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	18	0.48
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	10	0.48
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	6	0.48
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	6	0.48
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	6	0.48
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	6	0.48
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	6	0.48
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	6	0.48
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	6	0.48
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	1	0.48
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	9	0.48
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	14	0.48
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	14	0.48
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	14	0.48
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	14	0.48
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	14	0.48
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	14	0.48
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	14	0.48
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	15	0.48
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB2	9	0.48
(1,982)	1:91:A:LYS:HA	1:94:A:ASP:HB3	9	0.48
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	3	0.48
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	3	0.48
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	10	0.48
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	10	0.48
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	13	0.48
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	20	0.48
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	10	0.48
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	13	0.48
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	15	0.48
(1,962)	1:88:A:VAL:HB	1:89:A:VAL:H	3	0.48
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	1	0.48
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	7	0.48
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	14	0.48
(1,939)	1:83:A:VAL:HG11	1:84:A:ALA:H	18	0.48
(1,939)	1:83:A:VAL:HG12	1:84:A:ALA:H	18	0.48
(1,939)	1:83:A:VAL:HG13	1:84:A:ALA:H	18	0.48
(1,939)	1:83:A:VAL:HG21	1:84:A:ALA:H	18	0.48
(1,939)	1:83:A:VAL:HG22	1:84:A:ALA:H	18	0.48
(1,939)	1:83:A:VAL:HG23	1:84:A:ALA:H	18	0.48
(1,910)	1:71:A:ILE:H	1:71:A:ILE:HB	5	0.48
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	15	0.48
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	15	0.48
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	1	0.48
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	1	0.48
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	1	0.48
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	16	0.48
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	16	0.48
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG11	8	0.48
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG12	8	0.48
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG13	8	0.48
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG21	8	0.48
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG22	8	0.48
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG23	8	0.48
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	1	0.48
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG2	16	0.48
(1,823)	1:52:A:ARG:H	1:52:A:ARG:HG3	16	0.48
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	12	0.48
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	12	0.48
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	10	0.48
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	10	0.48
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	20	0.48
(1,780)	1:46:A:ASP:H	1:47:A:ILE:H	17	0.48
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	3	0.48
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	6	0.48
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	6	0.48
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	6	0.48
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	6	0.48
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	6	0.48
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	6	0.48
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	12	0.48
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	12	0.48
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	12	0.48
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	12	0.48
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	12	0.48
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	12	0.48
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	9	0.48
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	12	0.48
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	19	0.48
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	19	0.48
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	20	0.48
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	1	0.48
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	7	0.48
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	8	0.48
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	8	0.48
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	3	0.48
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	3	0.48
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	2	0.48
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	2	0.48
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	7	0.48
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	7	0.48
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	10	0.48
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	10	0.48
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	5	0.48
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	5	0.48
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	11	0.48
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	16	0.48
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	7	0.48
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	7	0.48
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	7	0.48
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	7	0.48
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	7	0.48
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	7	0.48
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB2	17	0.48
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB3	17	0.48
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	2	0.47
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	2	0.47
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	2	0.47
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	2	0.47
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	20	0.47
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	20	0.47
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	4	0.47
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	13	0.47
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	4	0.47
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	8	0.47
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	13	0.47
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	15	0.47
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	11	0.47
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	4	0.47
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	4	0.47
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	4	0.47
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	5	0.47
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	8	0.47
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	12	0.47
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	20	0.47
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD2	20	0.47
(1,1196)	1:130:A:ARG:H	1:130:A:ARG:HD3	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	10	0.47
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	10	0.47
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG11	19	0.47
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG12	19	0.47
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG13	19	0.47
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG21	19	0.47
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG22	19	0.47
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG23	19	0.47
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	3	0.47
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	3	0.47
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	3	0.47
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	9	0.47
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	9	0.47
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	9	0.47
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	9	0.47
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	9	0.47
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	9	0.47
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	1	0.47
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	6	0.47
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	6	0.47
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	6	0.47
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	10	0.47
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	11	0.47
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	10	0.47
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	13	0.47
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	13	0.47
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	13	0.47
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG2	13	0.47
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG3	13	0.47
(1,1035)	1:102:A:MET:H	1:102:A:MET:HG2	14	0.47
(1,1035)	1:102:A:MET:H	1:102:A:MET:HG3	14	0.47
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	7	0.47
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	7	0.47
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	13	0.47
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	17	0.47
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	2	0.47
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	2	0.47
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	8	0.47
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	8	0.47
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	8	0.47
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	9	0.47
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	19	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	15	0.47
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	13	0.47
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	18	0.47
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG11	19	0.47
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG12	19	0.47
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG13	19	0.47
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG21	19	0.47
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG22	19	0.47
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG23	19	0.47
(1,885)	1:64:A:ARG:HB2	1:67:A:GLU:HA	1	0.47
(1,885)	1:64:A:ARG:HB3	1:67:A:GLU:HA	1	0.47
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	6	0.47
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	6	0.47
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	15	0.47
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	15	0.47
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	13	0.47
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	13	0.47
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	2	0.47
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	15	0.47
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	1	0.47
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	1	0.47
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD2	12	0.47
(1,851)	1:60:A:LYS:H	1:60:A:LYS:HD3	12	0.47
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	1	0.47
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	12	0.47
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	3	0.47
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	8	0.47
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	6	0.47
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	4	0.47
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	7	0.47
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	17	0.47
(1,780)	1:46:A:ASP:H	1:47:A:ILE:H	13	0.47
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	20	0.47
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	20	0.47
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	8	0.47
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	2	0.47
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	14	0.47
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	13	0.47
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	2	0.47
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	4	0.47
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	1	0.47
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	18	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	12	0.47
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	12	0.47
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	12	0.47
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	7	0.47
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	7	0.47
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	12	0.47
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	12	0.47
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	20	0.47
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	15	0.47
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB2	16	0.47
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB3	16	0.47
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	7	0.46
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	7	0.46
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	7	0.46
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	7	0.46
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	15	0.46
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	15	0.46
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	3	0.46
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	3	0.46
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	3	0.46
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	17	0.46
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	17	0.46
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	17	0.46
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	20	0.46
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	20	0.46
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	20	0.46
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	15	0.46
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	4	0.46
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	4	0.46
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	5	0.46
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	14	0.46
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	16	0.46
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	18	0.46
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	18	0.46
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	18	0.46
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	3	0.46
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	4	0.46
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	6	0.46
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	13	0.46
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	12	0.46
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	14	0.46
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:129:A:ASN:H	1:129:A:ASN:HA	16	0.46
(1,1169)	1:127:A:SER:H	1:128:A:ILE:H	9	0.46
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	2	0.46
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	2	0.46
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	2	0.46
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	6	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	1	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	1	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	1	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	1	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	1	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	1	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	12	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	12	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	12	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	12	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	12	0.46
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	12	0.46
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	10	0.46
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	10	0.46
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	10	0.46
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	10	0.46
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	10	0.46
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	10	0.46
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	18	0.46
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	18	0.46
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	18	0.46
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	5	0.46
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	5	0.46
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	5	0.46
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	8	0.46
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	8	0.46
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	8	0.46
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	8	0.46
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	8	0.46
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	8	0.46
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	6	0.46
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD11	8	0.46
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD12	8	0.46
(1,1067)	1:107:A:ILE:H	1:107:A:ILE:HD13	8	0.46
(1,1057)	1:105:A:TRP:H	1:106:A:GLU:H	6	0.46
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	10	0.46
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	10	0.46
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	10	0.46
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	10	0.46
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	10	0.46
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	10	0.46
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	10	0.46
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	10	0.46
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	14	0.46
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	14	0.46
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	3	0.46
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	7	0.46
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	20	0.46
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	8	0.46
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	10	0.46
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	11	0.46
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	15	0.46
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	16	0.46
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	20	0.46
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	19	0.46
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	9	0.46
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	2	0.46
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	18	0.46
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	18	0.46
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	9	0.46
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	9	0.46
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	3	0.46
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	6	0.46
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	6	0.46
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	6	0.46
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	6	0.46
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	6	0.46
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	6	0.46
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	3	0.46
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	2	0.46
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	2	0.46
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	2	0.46
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG12	10	0.46
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG13	10	0.46
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	13	0.46
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	13	0.46
(1,879)	1:64:A:ARG:H	1:65:A:TYR:H	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	7	0.46
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	7	0.46
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	3	0.46
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	20	0.46
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	19	0.46
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	19	0.46
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	19	0.46
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	19	0.46
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	19	0.46
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	19	0.46
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	19	0.46
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	1	0.46
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	1	0.46
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	3	0.46
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	3	0.46
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	6	0.46
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	6	0.46
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	11	0.46
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	11	0.46
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	16	0.46
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	16	0.46
(1,780)	1:46:A:ASP:H	1:47:A:ILE:H	16	0.46
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	19	0.46
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	19	0.46
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	19	0.46
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	19	0.46
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	19	0.46
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	19	0.46
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	8	0.46
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	7	0.46
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	15	0.46
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	16	0.46
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	16	0.46
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	3	0.46
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	5	0.46
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	12	0.46
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	7	0.46
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	7	0.46
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	7	0.46
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	15	0.46
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	15	0.46
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	15	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	5	0.46
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	5	0.46
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	8	0.46
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	8	0.46
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	2	0.46
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	5	0.46
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	19	0.46
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	17	0.46
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	17	0.46
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	17	0.46
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	17	0.46
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	17	0.46
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	17	0.46
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	15	0.46
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	15	0.46
(1,669)	1:16:A:LEU:H	1:16:A:LEU:HG	2	0.46
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	17	0.46
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	10	0.46
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	10	0.46
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	20	0.45
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	20	0.45
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	9	0.45
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	9	0.45
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	9	0.45
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	9	0.45
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	10	0.45
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	10	0.45
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	10	0.45
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	10	0.45
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	1	0.45
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	9	0.45
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	19	0.45
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	12	0.45
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	18	0.45
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	1	0.45
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	9	0.45
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG12	20	0.45
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG13	20	0.45
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	7	0.45
(1,1195)	1:130:A:ARG:H	1:130:A:ARG:HG2	7	0.45
(1,1195)	1:130:A:ARG:H	1:130:A:ARG:HG3	7	0.45
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	14	0.45
(1,1169)	1:127:A:SER:H	1:128:A:ILE:H	14	0.45
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	19	0.45
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	19	0.45
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	19	0.45
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	19	0.45
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	19	0.45
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	19	0.45
(1,1164)	1:125:A:VAL:HB	1:126:A:SER:H	15	0.45
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	20	0.45
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	20	0.45
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	20	0.45
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG11	16	0.45
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG12	16	0.45
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG13	16	0.45
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG21	16	0.45
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG22	16	0.45
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG23	16	0.45
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	9	0.45
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	4	0.45
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	4	0.45
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	2	0.45
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	2	0.45
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	2	0.45
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	2	0.45
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	2	0.45
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	2	0.45
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	2	0.45
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	9	0.45
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	9	0.45
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	9	0.45
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	9	0.45
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	9	0.45
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	9	0.45
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	17	0.45
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	17	0.45
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	17	0.45
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	17	0.45
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	17	0.45
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	6	0.45
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	19	0.45
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	1	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	12	0.45
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	12	0.45
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	12	0.45
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	12	0.45
(1,1054)	1:105:A:TRP:H	1:105:A:TRP:HD1	16	0.45
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	1	0.45
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	12	0.45
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	2	0.45
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	1	0.45
(1,1016)	1:98:A:GLN:H	1:98:A:GLN:HA	4	0.45
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	3	0.45
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	3	0.45
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	3	0.45
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	6	0.45
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	6	0.45
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	18	0.45
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	18	0.45
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	12	0.45
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	12	0.45
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	12	0.45
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	12	0.45
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	4	0.45
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	7	0.45
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	19	0.45
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	13	0.45
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	13	0.45
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG12	19	0.45
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG13	19	0.45
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	7	0.45
(1,901)	1:68:A:THR:HA	1:69:A:GLY:H	4	0.45
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	20	0.45
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	20	0.45
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	15	0.45
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	15	0.45
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	9	0.45
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	19	0.45
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	8	0.45
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	19	0.45
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	3	0.45
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	3	0.45
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	3	0.45
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	3	0.45
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	3	0.45
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	15	0.45
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	15	0.45
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	15	0.45
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	15	0.45
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	15	0.45
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	15	0.45
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	2	0.45
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	18	0.45
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	13	0.45
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	13	0.45
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	14	0.45
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	14	0.45
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	6	0.45
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	1	0.45
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	1	0.45
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	20	0.45
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	20	0.45
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	7	0.45
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	7	0.45
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	7	0.45
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	20	0.45
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	3	0.45
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	11	0.45
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	15	0.45
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	5	0.45
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	6	0.45
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	6	0.45
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	10	0.45
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	10	0.45
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	1	0.45
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	7	0.45
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	10	0.45
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	12	0.45
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	5	0.45
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	5	0.45
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	5	0.45
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	5	0.45
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	5	0.45
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	5	0.45
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	12	0.44
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	12	0.44
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	8	0.44
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	10	0.44
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	18	0.44
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	12	0.44
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	12	0.44
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	12	0.44
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	10	0.44
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	10	0.44
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	10	0.44
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	14	0.44
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	19	0.44
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	20	0.44
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	1	0.44
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	3	0.44
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	7	0.44
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	11	0.44
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	18	0.44
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	19	0.44
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	20	0.44
(1,1171)	1:127:A:SER:HB2	1:128:A:ILE:H	7	0.44
(1,1171)	1:127:A:SER:HB3	1:128:A:ILE:H	7	0.44
(1,1133)	1:118:A:ASP:H	1:118:A:ASP:HA	10	0.44
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	12	0.44
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	12	0.44
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	12	0.44
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	12	0.44
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	12	0.44
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	12	0.44
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	15	0.44
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	15	0.44
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	15	0.44
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	15	0.44
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	15	0.44
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	15	0.44
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	3	0.44
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	14	0.44
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	12	0.44
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	12	0.44
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	12	0.44
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	16	0.44
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	16	0.44
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	16	0.44
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	8	0.44
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	16	0.44
(1,1082)	1:108:A:ARG:HG2	1:109:A:ASP:H	2	0.44
(1,1082)	1:108:A:ARG:HG3	1:109:A:ASP:H	2	0.44
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	16	0.44
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	4	0.44
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	9	0.44
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	5	0.44
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	5	0.44
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	5	0.44
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	5	0.44
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	5	0.44
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	5	0.44
(1,1057)	1:105:A:TRP:H	1:106:A:GLU:H	7	0.44
(1,1049)	1:104:A:ALA:HB1	1:105:A:TRP:H	10	0.44
(1,1049)	1:104:A:ALA:HB2	1:105:A:TRP:H	10	0.44
(1,1049)	1:104:A:ALA:HB3	1:105:A:TRP:H	10	0.44
(1,1049)	1:104:A:ALA:HB1	1:105:A:TRP:H	17	0.44
(1,1049)	1:104:A:ALA:HB2	1:105:A:TRP:H	17	0.44
(1,1049)	1:104:A:ALA:HB3	1:105:A:TRP:H	17	0.44
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	11	0.44
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	7	0.44
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	7	0.44
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	7	0.44
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	7	0.44
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	7	0.44
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	7	0.44
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	7	0.44
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	7	0.44
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	14	0.44
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	14	0.44
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	14	0.44
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	14	0.44
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	14	0.44
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	14	0.44
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	14	0.44
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	14	0.44
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	20	0.44
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	7	0.44
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	5	0.44
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	5	0.44
(1,969)	1:90:A:GLU:H	1:90:A:GLU:HA	4	0.44
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	10	0.44
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	15	0.44
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	5	0.44
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	2	0.44
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	19	0.44
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	12	0.44
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	12	0.44
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	12	0.44
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	12	0.44
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	12	0.44
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	12	0.44
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	20	0.44
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	20	0.44
(1,916)	1:72:A:ARG:H	1:72:A:ARG:HA	2	0.44
(1,905)	1:70:A:SER:H	1:70:A:SER:HB2	6	0.44
(1,905)	1:70:A:SER:H	1:70:A:SER:HB3	6	0.44
(1,879)	1:64:A:ARG:H	1:65:A:TYR:H	14	0.44
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	10	0.44
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	10	0.44
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	19	0.44
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	16	0.44
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	16	0.44
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	14	0.44
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	1	0.44
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	3	0.44
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	18	0.44
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	6	0.44
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	2	0.44
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	6	0.44
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	15	0.44
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	1	0.44
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	1	0.44
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	1	0.44
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	1	0.44
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	1	0.44
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	1	0.44
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	1	0.44
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	1	0.44
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	1	0.44
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	1	0.44
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	1	0.44
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	15	0.44
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	15	0.44
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	8	0.44
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	10	0.44
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	7	0.44
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	8	0.44
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	6	0.44
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	14	0.44
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	16	0.44
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	14	0.44
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	14	0.44
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	14	0.44
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	14	0.44
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	14	0.44
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	14	0.44
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	19	0.44
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	19	0.44
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	19	0.44
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	14	0.44
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	1	0.44
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	10	0.44
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	17	0.44
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	18	0.44
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	4	0.44
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	4	0.44
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	9	0.44
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	14	0.44
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	17	0.44
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	17	0.44
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	13	0.44
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	13	0.44
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	13	0.44
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	13	0.44
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	13	0.44
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	13	0.44
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	4	0.44
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	4	0.44
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	4	0.44
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	4	0.44
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	4	0.44
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	3	0.44
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	2	0.44
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	2	0.44
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	20	0.44
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	20	0.44
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	20	0.44
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	5	0.44
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	20	0.44
(1,1253)	1:146:A:SER:HA	1:147:A:GLY:H	13	0.43
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	14	0.43
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	14	0.43
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	20	0.43
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	20	0.43
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	3	0.43
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	12	0.43
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	14	0.43
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	16	0.43
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	2	0.43
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	2	0.43
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	2	0.43
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	4	0.43
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	4	0.43
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	4	0.43
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	7	0.43
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	19	0.43
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	9	0.43
(1,1198)	1:130:A:ARG:H	1:131:A:ILE:H	6	0.43
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	6	0.43
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	9	0.43
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	9	0.43
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	2	0.43
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	8	0.43
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	18	0.43
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	18	0.43
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	18	0.43
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	18	0.43
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	18	0.43
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	18	0.43
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	16	0.43
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	16	0.43
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	2	0.43
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	2	0.43
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	2	0.43
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	2	0.43
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	14	0.43
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	14	0.43
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	14	0.43
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	14	0.43
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	8	0.43
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	9	0.43
(1,1126)	1:116:A:VAL:HB	1:117:A:CYS:H	2	0.43
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG11	13	0.43
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG12	13	0.43
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG13	13	0.43
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG21	13	0.43
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG22	13	0.43
(1,1120)	1:115:A:GLY:H	1:116:A:VAL:HG23	13	0.43
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	3	0.43
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	3	0.43
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	3	0.43
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	13	0.43
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	13	0.43
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	13	0.43
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	18	0.43
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	7	0.43
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	14	0.43
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	12	0.43
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	17	0.43
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	17	0.43
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	17	0.43
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	17	0.43
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	9	0.43
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	9	0.43
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	9	0.43
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	9	0.43
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	9	0.43
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	9	0.43
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	14	0.43
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	14	0.43
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG2	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG3	12	0.43
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	8	0.43
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	17	0.43
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	2	0.43
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	2	0.43
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	16	0.43
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	5	0.43
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	5	0.43
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	5	0.43
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	5	0.43
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	5	0.43
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	5	0.43
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	3	0.43
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	3	0.43
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	3	0.43
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	3	0.43
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	16	0.43
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	16	0.43
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	16	0.43
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	16	0.43
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	5	0.43
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	2	0.43
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	6	0.43
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	6	0.43
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	8	0.43
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	15	0.43
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	5	0.43
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	5	0.43
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	5	0.43
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	5	0.43
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	10	0.43
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	13	0.43
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	20	0.43
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	1	0.43
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	1	0.43
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	9	0.43
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	14	0.43
(1,839)	1:57:A:CYS:HB2	1:58:A:VAL:H	3	0.43
(1,839)	1:57:A:CYS:HB3	1:58:A:VAL:H	3	0.43
(1,839)	1:57:A:CYS:HB2	1:58:A:VAL:H	3	0.43
(1,839)	1:57:A:CYS:HB3	1:58:A:VAL:H	3	0.43
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	5	0.43
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	7	0.43
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	7	0.43
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	18	0.43
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	18	0.43
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	10	0.43
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	2	0.43
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	2	0.43
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	2	0.43
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	2	0.43
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	2	0.43
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	2	0.43
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	10	0.43
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	4	0.43
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	11	0.43
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	19	0.43
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	4	0.43
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	9	0.43
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	12	0.43
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	14	0.43
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	12	0.43
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	12	0.43
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	12	0.43
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE21	6	0.43
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE22	6	0.43
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	7	0.43
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	8	0.43
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	10	0.43
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	12	0.43
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	18	0.43
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	20	0.43
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	16	0.43
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	16	0.43
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	20	0.43
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	20	0.43
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	4	0.43
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	7	0.43
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	7	0.43
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	8	0.43
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB2	11	0.43
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB3	11	0.43
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	7	0.43
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	14	0.43
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	18	0.42
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	18	0.42
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	19	0.42
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	19	0.42
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	2	0.42
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	6	0.42
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	5	0.42
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	5	0.42
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	5	0.42
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	6	0.42
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	6	0.42
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	6	0.42
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	13	0.42
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	13	0.42
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	13	0.42
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	16	0.42
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	16	0.42
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	16	0.42
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	17	0.42
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	12	0.42
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	12	0.42
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	12	0.42
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD11	3	0.42
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD12	3	0.42
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD13	3	0.42
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD11	8	0.42
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD12	8	0.42
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD13	8	0.42
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	10	0.42
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	1	0.42
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	13	0.42
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	2	0.42
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	11	0.42
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	18	0.42
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	8	0.42
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	8	0.42
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	18	0.42
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	18	0.42
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	18	0.42
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	18	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	18	0.42
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	18	0.42
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	20	0.42
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	2	0.42
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	20	0.42
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	18	0.42
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	11	0.42
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	5	0.42
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG12	3	0.42
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG13	3	0.42
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	9	0.42
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	15	0.42
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	16	0.42
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	5	0.42
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	4	0.42
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	4	0.42
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	4	0.42
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	4	0.42
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	4	0.42
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	4	0.42
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	4	0.42
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	4	0.42
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	4	0.42
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	5	0.42
(1,1045)	1:104:A:ALA:HA	1:107:A:ILE:H	2	0.42
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	8	0.42
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	6	0.42
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	10	0.42
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	10	0.42
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	10	0.42
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	10	0.42
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	10	0.42
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	10	0.42
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	10	0.42
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	10	0.42
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	10	0.42
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	12	0.42
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	16	0.42
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	13	0.42
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	13	0.42
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	13	0.42
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	14	0.42
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	3	0.42
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	3	0.42
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	6	0.42
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	6	0.42
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	6	0.42
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	6	0.42
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	6	0.42
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	6	0.42
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	6	0.42
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	6	0.42
(1,953)	1:87:A:LYS:HA	1:88:A:VAL:H	17	0.42
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	12	0.42
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	15	0.42
(1,921)	1:75:A:VAL:H	1:76:A:ILE:H	11	0.42
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	14	0.42
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	14	0.42
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	14	0.42
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	14	0.42
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	14	0.42
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	14	0.42
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	19	0.42
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	19	0.42
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	19	0.42
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	3	0.42
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	17	0.42
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	17	0.42
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	17	0.42
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	6	0.42
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	9	0.42
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	14	0.42
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	17	0.42
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	18	0.42
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	19	0.42
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	14	0.42
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	14	0.42
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	14	0.42
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	8	0.42
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	13	0.42
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	13	0.42
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	13	0.42
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	13	0.42
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	13	0.42
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	8	0.42
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	17	0.42
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	20	0.42
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	3	0.42
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	3	0.42
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	3	0.42
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	3	0.42
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	3	0.42
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	3	0.42
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	10	0.42
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	6	0.42
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	19	0.42
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	7	0.42
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	8	0.42
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	17	0.42
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	17	0.42
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	19	0.42
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	19	0.42
(1,716)	1:33:A:ARG:H	1:33:A:ARG:HG2	12	0.42
(1,716)	1:33:A:ARG:H	1:33:A:ARG:HG3	12	0.42
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	6	0.42
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	17	0.42
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	15	0.42
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	15	0.42
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	15	0.42
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	15	0.42
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	15	0.42
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	15	0.42
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	10	0.42
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	20	0.42
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	2	0.42
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	18	0.42
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	12	0.42
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	18	0.42
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	9	0.42
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	11	0.42
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	13	0.42
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	19	0.42
(1,302)	1:76:A:ILE:H	1:76:A:ILE:HB	5	0.42
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	18	0.41
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG11	19	0.41
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG12	19	0.41
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG13	19	0.41
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG21	19	0.41
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG22	19	0.41
(1,1235)	1:136:A:VAL:H	1:136:A:VAL:HG23	19	0.41
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	7	0.41
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	17	0.41
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	5	0.41
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	5	0.41
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	1	0.41
(1,1216)	1:133:A:ARG:H	1:133:A:ARG:HA	10	0.41
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	6	0.41
(1,1202)	1:131:A:ILE:H	1:131:A:ILE:HA	15	0.41
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	8	0.41
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	3	0.41
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	14	0.41
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	17	0.41
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	1	0.41
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	4	0.41
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	7	0.41
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	1	0.41
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	8	0.41
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	8	0.41
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	8	0.41
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	8	0.41
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	8	0.41
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	8	0.41
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	8	0.41
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	8	0.41
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	8	0.41
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	5	0.41
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	20	0.41
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	11	0.41
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	10	0.41
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	13	0.41
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	8	0.41
(1,1057)	1:105:A:TRP:H	1:106:A:GLU:H	15	0.41
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	4	0.41
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	13	0.41
(1,1020)	1:98:A:GLN:H	1:99:A:ASN:H	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	17	0.41
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	17	0.41
(1,1017)	1:98:A:GLN:H	1:98:A:GLN:HG2	1	0.41
(1,1017)	1:98:A:GLN:H	1:98:A:GLN:HG3	1	0.41
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	8	0.41
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	15	0.41
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	16	0.41
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	16	0.41
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	7	0.41
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	7	0.41
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	11	0.41
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	11	0.41
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	12	0.41
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	4	0.41
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	10	0.41
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	1	0.41
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	1	0.41
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	1	0.41
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	4	0.41
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	4	0.41
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	4	0.41
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	5	0.41
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	5	0.41
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	5	0.41
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	5	0.41
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	5	0.41
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	5	0.41
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	11	0.41
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	11	0.41
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	4	0.41
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	4	0.41
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG11	5	0.41
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG12	5	0.41
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG13	5	0.41
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG21	5	0.41
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG22	5	0.41
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG23	5	0.41
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG12	1	0.41
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG13	1	0.41
(1,879)	1:64:A:ARG:H	1:65:A:TYR:H	7	0.41
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	16	0.41
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	20	0.41
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	4	0.41
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	4	0.41
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	4	0.41
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	7	0.41
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	1	0.41
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	2	0.41
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	4	0.41
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	16	0.41
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	8	0.41
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	8	0.41
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	20	0.41
(1,839)	1:57:A:CYS:HB2	1:58:A:VAL:H	11	0.41
(1,839)	1:57:A:CYS:HB3	1:58:A:VAL:H	11	0.41
(1,839)	1:57:A:CYS:HB2	1:58:A:VAL:H	11	0.41
(1,839)	1:57:A:CYS:HB3	1:58:A:VAL:H	11	0.41
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	10	0.41
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	10	0.41
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	10	0.41
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	10	0.41
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	10	0.41
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	10	0.41
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	10	0.41
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	10	0.41
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	10	0.41
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	10	0.41
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	10	0.41
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	10	0.41
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	12	0.41
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	17	0.41
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	19	0.41
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	10	0.41
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	5	0.41
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	5	0.41
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	14	0.41
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	14	0.41
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	12	0.41
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	6	0.41
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	6	0.41
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	6	0.41
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	6	0.41
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	6	0.41
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	14	0.41
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	7	0.41
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	7	0.41
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	19	0.41
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	10	0.41
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	18	0.41
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	17	0.41
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	17	0.41
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	6	0.41
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	6	0.41
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	1	0.41
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	9	0.41
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	20	0.41
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	14	0.41
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	2	0.41
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	12	0.41
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	12	0.41
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	18	0.41
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	18	0.41
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	15	0.41
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	18	0.41
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE21	19	0.41
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE22	19	0.41
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE21	19	0.41
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE22	19	0.41
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	15	0.41
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	15	0.41
(1,696)	1:29:A:VAL:H	1:30:A:VAL:H	13	0.41
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	18	0.41
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	18	0.41
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	18	0.41
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	18	0.41
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	18	0.41
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	18	0.41
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	16	0.41
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG11	8	0.41
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG12	8	0.41
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG13	8	0.41
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG21	8	0.41
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG22	8	0.41
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG23	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	5	0.41
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	8	0.41
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	15	0.41
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	4	0.41
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	5	0.4
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	5	0.4
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	5	0.4
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	14	0.4
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	14	0.4
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	14	0.4
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	19	0.4
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	19	0.4
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	19	0.4
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	4	0.4
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	20	0.4
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	7	0.4
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	2	0.4
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	4	0.4
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	9	0.4
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	15	0.4
(1,1181)	1:128:A:ILE:HA	1:131:A:ILE:HB	6	0.4
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	20	0.4
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	20	0.4
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	20	0.4
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	6	0.4
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	18	0.4
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	20	0.4
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB2	2	0.4
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB3	2	0.4
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	4	0.4
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	4	0.4
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	4	0.4
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	4	0.4
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	4	0.4
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	4	0.4
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	7	0.4
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	15	0.4
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	15	0.4
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	15	0.4
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	7	0.4
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	11	0.4
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	9	0.4
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	4	0.4
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	12	0.4
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	3	0.4
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	7	0.4
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	10	0.4
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	11	0.4
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	14	0.4
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	10	0.4
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	17	0.4
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	18	0.4
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	18	0.4
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	18	0.4
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	18	0.4
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	18	0.4
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	18	0.4
(1,1057)	1:105:A:TRP:H	1:106:A:GLU:H	8	0.4
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD1	18	0.4
(1,1043)	1:103:A:PHE:HA	1:103:A:PHE:HD2	18	0.4
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	13	0.4
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	13	0.4
(1,1034)	1:102:A:MET:H	1:102:A:MET:HB2	19	0.4
(1,1034)	1:102:A:MET:H	1:102:A:MET:HB3	19	0.4
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	7	0.4
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	7	0.4
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	7	0.4
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	7	0.4
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	7	0.4
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	7	0.4
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	14	0.4
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	14	0.4
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	13	0.4
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	18	0.4
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	18	0.4
(1,995)	1:94:A:ASP:HB2	1:95:A:TYR:H	12	0.4
(1,995)	1:94:A:ASP:HB3	1:95:A:TYR:H	12	0.4
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	3	0.4
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	3	0.4
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	9	0.4
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	9	0.4
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	6	0.4
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	12	0.4
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	2	0.4
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	12	0.4
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	12	0.4
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	12	0.4
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	12	0.4
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	3	0.4
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	3	0.4
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	3	0.4
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	12	0.4
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	12	0.4
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	1	0.4
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	1	0.4
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	13	0.4
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	13	0.4
(1,899)	1:68:A:THR:H	1:68:A:THR:HG21	4	0.4
(1,899)	1:68:A:THR:H	1:68:A:THR:HG22	4	0.4
(1,899)	1:68:A:THR:H	1:68:A:THR:HG23	4	0.4
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB2	3	0.4
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB3	3	0.4
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	9	0.4
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	9	0.4
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	9	0.4
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	9	0.4
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	16	0.4
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	8	0.4
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	19	0.4
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	18	0.4
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	2	0.4
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	4	0.4
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	15	0.4
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	12	0.4
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	12	0.4
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	16	0.4
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	16	0.4
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	9	0.4
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	9	0.4
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	9	0.4
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	9	0.4
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	9	0.4
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	9	0.4
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	9	0.4
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	9	0.4
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	9	0.4
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	9	0.4
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	9	0.4
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	18	0.4
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	18	0.4
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	18	0.4
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	18	0.4
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	18	0.4
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	18	0.4
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	18	0.4
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	18	0.4
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	18	0.4
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	18	0.4
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	18	0.4
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	18	0.4
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	6	0.4
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	11	0.4
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	13	0.4
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	7	0.4
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	4	0.4
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	4	0.4
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	13	0.4
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	16	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	4	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	4	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	4	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	4	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	4	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	4	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	7	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	7	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	7	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	7	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	7	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	7	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	20	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	20	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	20	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	20	0.4
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	20	0.4
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	19	0.4
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	8	0.4
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	8	0.4
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	8	0.4
(1,785)	1:47:A:ILE:H	1:47:A:ILE:HG12	6	0.4
(1,785)	1:47:A:ILE:H	1:47:A:ILE:HG13	6	0.4
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	2	0.4
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	5	0.4
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	7	0.4
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	15	0.4
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	5	0.4
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	5	0.4
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	18	0.4
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	8	0.4
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	8	0.4
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	8	0.4
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	9	0.4
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	9	0.4
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	9	0.4
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	11	0.4
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	11	0.4
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	11	0.4
(1,749)	1:37:A:LEU:H	1:38:A:ALA:H	16	0.4
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	9	0.4
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	9	0.4
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	14	0.4
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	14	0.4
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	14	0.4
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	3	0.4
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	3	0.4
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	6	0.4
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	6	0.4
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	1	0.4
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	3	0.4
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	8	0.4
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	20	0.4
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	12	0.4
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	8	0.4
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	8	0.4
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	8	0.4
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	8	0.4
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	8	0.4
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	10	0.4
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	16	0.4
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	16	0.4
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	16	0.4
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	16	0.4
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	16	0.4
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	16	0.4
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	10	0.4
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	16	0.4
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	17	0.4
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	7	0.4
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	15	0.4
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	15	0.4
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	8	0.39
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	8	0.39
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	8	0.39
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	2	0.39
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	14	0.39
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	12	0.39
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	12	0.39
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	12	0.39
(1,1124)	1:116:A:VAL:H	1:117:A:CYS:H	6	0.39
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	20	0.39
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	20	0.39
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG2	20	0.39
(1,1116)	1:114:A:GLU:H	1:114:A:GLU:HG3	20	0.39
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	1	0.39
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	1	0.39
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	1	0.39
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	2	0.39
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	2	0.39
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	2	0.39
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	2	0.39
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	2	0.39
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	2	0.39
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	15	0.39
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	9	0.39
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	9	0.39
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	9	0.39
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	12	0.39
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	20	0.39
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG12	15	0.39
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG13	15	0.39
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	4	0.39
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	5	0.39
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	3	0.39
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	3	0.39
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	3	0.39
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	3	0.39
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	3	0.39
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	3	0.39
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	20	0.39
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	20	0.39
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	12	0.39
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	14	0.39
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	14	0.39
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	14	0.39
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	14	0.39
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	14	0.39
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	14	0.39
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	10	0.39
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	10	0.39
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	20	0.39
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	19	0.39
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	4	0.39
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	12	0.39
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	12	0.39
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	14	0.39
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	14	0.39
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	1	0.39
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	1	0.39
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	1	0.39
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	1	0.39
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	17	0.39
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	17	0.39
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	9	0.39
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	16	0.39
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	4	0.39
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	16	0.39
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	2	0.39
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	2	0.39
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	2	0.39
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	4	0.39
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	4	0.39
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	4	0.39
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	4	0.39
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	8	0.39
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	8	0.39
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	8	0.39
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	8	0.39
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	14	0.39
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	14	0.39
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	14	0.39
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	14	0.39
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	9	0.39
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	9	0.39
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	9	0.39
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	13	0.39
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	13	0.39
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	13	0.39
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	5	0.39
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	5	0.39
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	8	0.39
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	8	0.39
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	19	0.39
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	19	0.39
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	15	0.39
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	15	0.39
(1,899)	1:68:A:THR:H	1:68:A:THR:HG21	14	0.39
(1,899)	1:68:A:THR:H	1:68:A:THR:HG22	14	0.39
(1,899)	1:68:A:THR:H	1:68:A:THR:HG23	14	0.39
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	13	0.39
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	13	0.39
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	13	0.39
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	13	0.39
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	14	0.39
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	14	0.39
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	14	0.39
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	14	0.39
(1,867)	1:61:A:ILE:HB	1:62:A:LEU:H	16	0.39
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	7	0.39
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	7	0.39
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	17	0.39
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	17	0.39
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	17	0.39
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	8	0.39
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	8	0.39
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	8	0.39
(1,848)	1:59:A:SER:H	1:59:A:SER:HB2	6	0.39
(1,848)	1:59:A:SER:H	1:59:A:SER:HB3	6	0.39
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	11	0.39
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	16	0.39
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	7	0.39
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	4	0.39
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	11	0.39
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	2	0.39
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	15	0.39
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	15	0.39
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	15	0.39
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	15	0.39
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	15	0.39
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	15	0.39
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	15	0.39
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	15	0.39
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	15	0.39
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	15	0.39
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	15	0.39
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	15	0.39
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	1	0.39
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	9	0.39
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	14	0.39
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	16	0.39
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	2	0.39
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	11	0.39
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	11	0.39
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	11	0.39
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	11	0.39
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	11	0.39
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	11	0.39
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	1	0.39
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	19	0.39
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	13	0.39
(1,787)	1:47:A:ILE:H	1:47:A:ILE:HG12	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:47:A:ILE:H	1:47:A:ILE:HG13	6	0.39
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	1	0.39
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	18	0.39
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	18	0.39
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	18	0.39
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	18	0.39
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	18	0.39
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	18	0.39
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	13	0.39
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	13	0.39
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	13	0.39
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	13	0.39
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	13	0.39
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	13	0.39
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	4	0.39
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	4	0.39
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	6	0.39
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	6	0.39
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	6	0.39
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE21	1	0.39
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE22	1	0.39
(1,747)	1:37:A:LEU:H	1:37:A:LEU:HA	13	0.39
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	17	0.39
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	7	0.39
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	7	0.39
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	6	0.39
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	17	0.39
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	9	0.39
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	9	0.39
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	20	0.39
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	20	0.39
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	6	0.39
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	6	0.39
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	12	0.39
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	12	0.39
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	6	0.39
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	9	0.39
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	14	0.39
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	15	0.39
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	11	0.39
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	8	0.39
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	16	0.39
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	16	0.39
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	17	0.39
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	17	0.39
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	8	0.38
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	8	0.38
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	8	0.38
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	20	0.38
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	20	0.38
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	20	0.38
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG2	19	0.38
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG3	19	0.38
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	4	0.38
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	4	0.38
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	8	0.38
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	8	0.38
(1,1220)	1:134:A:THR:H	1:134:A:THR:HG1	1	0.38
(1,1220)	1:134:A:THR:H	1:134:A:THR:HG1	9	0.38
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	19	0.38
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	8	0.38
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	8	0.38
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	8	0.38
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	17	0.38
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	17	0.38
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	17	0.38
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	7	0.38
(1,1171)	1:127:A:SER:HB2	1:128:A:ILE:H	5	0.38
(1,1171)	1:127:A:SER:HB3	1:128:A:ILE:H	5	0.38
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	12	0.38
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	12	0.38
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	12	0.38
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	12	0.38
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	12	0.38
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	12	0.38
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG11	1	0.38
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG12	1	0.38
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG13	1	0.38
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG21	1	0.38
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG22	1	0.38
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG23	1	0.38
(1,1149)	1:121:A:THR:H	1:121:A:THR:HG1	3	0.38
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	3	0.38
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	3	0.38
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	3	0.38
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	3	0.38
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	3	0.38
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	7	0.38
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	7	0.38
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	7	0.38
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	7	0.38
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	7	0.38
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	7	0.38
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	13	0.38
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	5	0.38
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	5	0.38
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	5	0.38
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	7	0.38
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	7	0.38
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	7	0.38
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	4	0.38
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	4	0.38
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	4	0.38
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	4	0.38
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	4	0.38
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	4	0.38
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	8	0.38
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	8	0.38
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	8	0.38
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	8	0.38
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	8	0.38
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	8	0.38
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	2	0.38
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	3	0.38
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	16	0.38
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	8	0.38
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD2	1	0.38
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD3	1	0.38
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	1	0.38
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD3	1	0.38
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	3	0.38
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	3	0.38
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	3	0.38
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	3	0.38
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	3	0.38
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	19	0.38
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	19	0.38
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	19	0.38
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	19	0.38
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	19	0.38
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	19	0.38
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	9	0.38
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	9	0.38
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	13	0.38
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	4	0.38
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	1	0.38
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	6	0.38
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	3	0.38
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	3	0.38
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	3	0.38
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	3	0.38
(1,1057)	1:105:A:TRP:H	1:106:A:GLU:H	12	0.38
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	1	0.38
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	4	0.38
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	16	0.38
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	14	0.38
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	3	0.38
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	3	0.38
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	18	0.38
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	9	0.38
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	9	0.38
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	7	0.38
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	7	0.38
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	5	0.38
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	13	0.38
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	13	0.38
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	1	0.38
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	1	0.38
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	15	0.38
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	15	0.38
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	19	0.38
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	14	0.38
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	9	0.38
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	14	0.38
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	14	0.38
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG2	19	0.38
(1,932)	1:82:A:LYS:H	1:82:A:LYS:HG3	19	0.38
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD2	3	0.38
(1,931)	1:80:A:LYS:H	1:80:A:LYS:HD3	3	0.38
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	10	0.38
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	10	0.38
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	11	0.38
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	11	0.38
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	16	0.38
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	16	0.38
(1,905)	1:70:A:SER:H	1:70:A:SER:HB2	7	0.38
(1,905)	1:70:A:SER:H	1:70:A:SER:HB3	7	0.38
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	3	0.38
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	3	0.38
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	3	0.38
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	3	0.38
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	14	0.38
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	14	0.38
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	6	0.38
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	6	0.38
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	6	0.38
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	6	0.38
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	6	0.38
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	6	0.38
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	6	0.38
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	6	0.38
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	6	0.38
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	12	0.38
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	12	0.38
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	12	0.38
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	6	0.38
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	3	0.38
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	7	0.38
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	12	0.38
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	10	0.38
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	10	0.38
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	5	0.38
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	12	0.38
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	13	0.38
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	5	0.38
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG11	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG12	7	0.38
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG13	7	0.38
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG21	7	0.38
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG22	7	0.38
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG23	7	0.38
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG11	17	0.38
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG12	17	0.38
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG13	17	0.38
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG21	17	0.38
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG22	17	0.38
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG23	17	0.38
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	5	0.38
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	5	0.38
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	5	0.38
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	5	0.38
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	5	0.38
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	5	0.38
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	5	0.38
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	5	0.38
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	5	0.38
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	5	0.38
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	5	0.38
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	5	0.38
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	5	0.38
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	5	0.38
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	6	0.38
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	6	0.38
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	6	0.38
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	6	0.38
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	6	0.38
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	6	0.38
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	6	0.38
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	6	0.38
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	6	0.38
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	6	0.38
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	6	0.38
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	6	0.38
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	18	0.38
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	20	0.38
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	10	0.38
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	10	0.38
(1,801)	1:48:A:SER:HB2	1:49:A:ARG:H	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,801)	1:48:A:SER:HB3	1:49:A:ARG:H	18	0.38
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	2	0.38
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	15	0.38
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	13	0.38
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	13	0.38
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	13	0.38
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	10	0.38
(1,782)	1:46:A:ASP:HB2	1:47:A:ILE:H	6	0.38
(1,782)	1:46:A:ASP:HB3	1:47:A:ILE:H	6	0.38
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	7	0.38
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	13	0.38
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	1	0.38
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	13	0.38
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	6	0.38
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	5	0.38
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	5	0.38
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	8	0.38
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	8	0.38
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	15	0.38
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	15	0.38
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	14	0.38
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	14	0.38
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	4	0.38
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE21	11	0.38
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE22	11	0.38
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE21	11	0.38
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE22	11	0.38
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	3	0.38
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	3	0.38
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	3	0.38
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	3	0.38
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	3	0.38
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	3	0.38
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	12	0.38
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	17	0.38
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	19	0.38
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	14	0.38
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	14	0.38
(1,672)	1:19:A:ALA:HB1	1:20:A:PHE:H	9	0.38
(1,672)	1:19:A:ALA:HB2	1:20:A:PHE:H	9	0.38
(1,672)	1:19:A:ALA:HB3	1:20:A:PHE:H	9	0.38
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,667)	1:15:A:GLN:HB2	1:16:A:LEU:H	10	0.38
(1,667)	1:15:A:GLN:HB3	1:16:A:LEU:H	10	0.38
(1,667)	1:15:A:GLN:HB2	1:16:A:LEU:H	10	0.38
(1,667)	1:15:A:GLN:HB3	1:16:A:LEU:H	10	0.38
(1,278)	1:70:A:SER:HA	1:71:A:ILE:H	14	0.38
(1,1229)	1:135:A:LYS:H	1:136:A:VAL:H	3	0.37
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	9	0.37
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	9	0.37
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	9	0.37
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	9	0.37
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	9	0.37
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	3	0.37
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	7	0.37
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	17	0.37
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	13	0.37
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	5	0.37
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	16	0.37
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	13	0.37
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	18	0.37
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	1	0.37
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	1	0.37
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	1	0.37
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	11	0.37
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	11	0.37
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	11	0.37
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG12	9	0.37
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG13	9	0.37
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	15	0.37
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	15	0.37
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	15	0.37
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	15	0.37
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	15	0.37
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	5	0.37
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	6	0.37
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	17	0.37
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	19	0.37
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	4	0.37
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	4	0.37
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	4	0.37
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	4	0.37
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	10	0.37
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	10	0.37
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	12	0.37
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	6	0.37
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	20	0.37
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	13	0.37
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	10	0.37
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	20	0.37
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	20	0.37
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	12	0.37
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	15	0.37
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	8	0.37
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	9	0.37
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	17	0.37
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	18	0.37
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	18	0.37
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	18	0.37
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	18	0.37
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	18	0.37
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	18	0.37
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	18	0.37
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	18	0.37
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	18	0.37
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	18	0.37
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	18	0.37
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	18	0.37
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	18	0.37
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	18	0.37
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	13	0.37
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	13	0.37
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	15	0.37
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	15	0.37
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	15	0.37
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	15	0.37
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	15	0.37
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	15	0.37
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	4	0.37
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	18	0.37
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	19	0.37
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	1	0.37
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	1	0.37
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	11	0.37
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	1	0.37
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	17	0.37
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	17	0.37
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	20	0.37
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	20	0.37
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	4	0.37
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	4	0.37
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	17	0.37
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	15	0.37
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	1	0.37
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	3	0.37
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	10	0.37
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	17	0.37
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	13	0.37
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	13	0.37
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	13	0.37
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	13	0.37
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	13	0.37
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	13	0.37
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	3	0.37
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	3	0.37
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	19	0.37
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	19	0.37
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	1	0.37
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG12	15	0.37
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG13	15	0.37
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	10	0.37
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB2	2	0.37
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB3	2	0.37
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	1	0.37
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	1	0.37
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	16	0.37
(1,867)	1:61:A:ILE:HB	1:62:A:LEU:H	7	0.37
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	3	0.37
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	3	0.37
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	3	0.37
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	14	0.37
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	14	0.37
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	14	0.37
(1,861)	1:61:A:ILE:H	1:61:A:ILE:HG12	9	0.37
(1,861)	1:61:A:ILE:H	1:61:A:ILE:HG13	9	0.37
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD11	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD12	16	0.37
(1,860)	1:61:A:ILE:H	1:61:A:ILE:HD13	16	0.37
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	15	0.37
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	7	0.37
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	10	0.37
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	17	0.37
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	4	0.37
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	4	0.37
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	10	0.37
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	10	0.37
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	11	0.37
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	11	0.37
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	3	0.37
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	3	0.37
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	3	0.37
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	3	0.37
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	3	0.37
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	3	0.37
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	3	0.37
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	3	0.37
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	3	0.37
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	3	0.37
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	3	0.37
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	3	0.37
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	4	0.37
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	4	0.37
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	4	0.37
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	4	0.37
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	4	0.37
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	4	0.37
(1,832)	1:53:A:VAL:HG11	1:54:A:SER:H	4	0.37
(1,832)	1:53:A:VAL:HG12	1:54:A:SER:H	4	0.37
(1,832)	1:53:A:VAL:HG13	1:54:A:SER:H	4	0.37
(1,832)	1:53:A:VAL:HG21	1:54:A:SER:H	4	0.37
(1,832)	1:53:A:VAL:HG22	1:54:A:SER:H	4	0.37
(1,832)	1:53:A:VAL:HG23	1:54:A:SER:H	4	0.37
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	2	0.37
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	4	0.37
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	5	0.37
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	10	0.37
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	15	0.37
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD11	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD12	12	0.37
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD13	12	0.37
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD21	12	0.37
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD22	12	0.37
(1,816)	1:51:A:LEU:H	1:51:A:LEU:HD23	12	0.37
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	19	0.37
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	19	0.37
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	19	0.37
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	8	0.37
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	14	0.37
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	2	0.37
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	2	0.37
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	16	0.37
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	16	0.37
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	16	0.37
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	16	0.37
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	16	0.37
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	16	0.37
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	11	0.37
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	11	0.37
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	15	0.37
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	15	0.37
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	4	0.37
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	4	0.37
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	4	0.37
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	8	0.37
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	15	0.37
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	2	0.37
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	4	0.37
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	14	0.37
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	20	0.37
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	20	0.37
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	20	0.37
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	1	0.37
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	1	0.37
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	1	0.37
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	1	0.37
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	1	0.37
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	1	0.37
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	1	0.37
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	1	0.37
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	6	0.37
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	6	0.37
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	10	0.37
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	10	0.37
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	14	0.37
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	16	0.37
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	15	0.37
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE21	15	0.37
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE22	15	0.37
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE21	15	0.37
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE22	15	0.37
(1,712)	1:32:A:GLN:H	1:33:A:ARG:H	14	0.37
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	16	0.37
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	16	0.37
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	16	0.37
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	16	0.37
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	16	0.37
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	16	0.37
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	13	0.37
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	13	0.37
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	13	0.37
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	13	0.37
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	13	0.37
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	13	0.37
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	11	0.37
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	3	0.37
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB2	12	0.37
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB3	12	0.37
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB2	11	0.37
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB3	11	0.37
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	9	0.36
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	9	0.36
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	9	0.36
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	14	0.36
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	14	0.36
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	12	0.36
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	12	0.36
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	19	0.36
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	19	0.36
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	20	0.36
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	20	0.36
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG2	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG3	10	0.36
(1,1229)	1:135:A:LYS:H	1:136:A:VAL:H	8	0.36
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	1	0.36
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	1	0.36
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	1	0.36
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	8	0.36
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	19	0.36
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	2	0.36
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	6	0.36
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	18	0.36
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	16	0.36
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	17	0.36
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	13	0.36
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	15	0.36
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	15	0.36
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	15	0.36
(1,1178)	1:128:A:ILE:H	1:129:A:ASN:H	9	0.36
(1,1178)	1:128:A:ILE:H	1:129:A:ASN:H	12	0.36
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	7	0.36
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	7	0.36
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	11	0.36
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	4	0.36
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	4	0.36
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	4	0.36
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG11	13	0.36
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG12	13	0.36
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG13	13	0.36
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG21	13	0.36
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG22	13	0.36
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG23	13	0.36
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG11	17	0.36
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG12	17	0.36
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG13	17	0.36
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG21	17	0.36
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG22	17	0.36
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG23	17	0.36
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	18	0.36
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	18	0.36
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	18	0.36
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	19	0.36
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	19	0.36
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	19	0.36
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	1	0.36
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	13	0.36
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	15	0.36
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB2	11	0.36
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB3	11	0.36
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	9	0.36
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	9	0.36
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	9	0.36
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	9	0.36
(1,1126)	1:116:A:VAL:HB	1:117:A:CYS:H	3	0.36
(1,1124)	1:116:A:VAL:H	1:117:A:CYS:H	10	0.36
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	2	0.36
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	11	0.36
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	11	0.36
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	9	0.36
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	5	0.36
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	8	0.36
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	19	0.36
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	18	0.36
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	18	0.36
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	18	0.36
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	15	0.36
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	11	0.36
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	15	0.36
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	16	0.36
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	7	0.36
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	7	0.36
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	7	0.36
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	16	0.36
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	15	0.36
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	12	0.36
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	9	0.36
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	10	0.36
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	13	0.36
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	3	0.36
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	17	0.36
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	16	0.36
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	16	0.36
(1,1038)	1:102:A:MET:HG2	1:103:A:PHE:H	20	0.36
(1,1038)	1:102:A:MET:HG3	1:103:A:PHE:H	20	0.36
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	10	0.36
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	9	0.36
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	13	0.36
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	17	0.36
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	14	0.36
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	7	0.36
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	8	0.36
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	5	0.36
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	5	0.36
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	5	0.36
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	9	0.36
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	9	0.36
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	9	0.36
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	16	0.36
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	16	0.36
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	16	0.36
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	16	0.36
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	3	0.36
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	8	0.36
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	18	0.36
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	20	0.36
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	2	0.36
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	5	0.36
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	12	0.36
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	15	0.36
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	18	0.36
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	19	0.36
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	10	0.36
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	11	0.36
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	11	0.36
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	11	0.36
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	2	0.36
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	2	0.36
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	7	0.36
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	7	0.36
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	16	0.36
(1,905)	1:70:A:SER:H	1:70:A:SER:HB2	9	0.36
(1,905)	1:70:A:SER:H	1:70:A:SER:HB3	9	0.36
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	8	0.36
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	8	0.36
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	8	0.36
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:59:A:SER:H	1:60:A:LYS:H	8	0.36
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	1	0.36
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	1	0.36
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	7	0.36
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	7	0.36
(1,827)	1:53:A:VAL:H	1:53:A:VAL:HA	7	0.36
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	16	0.36
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	8	0.36
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	5	0.36
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	11	0.36
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	1	0.36
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	1	0.36
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	20	0.36
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	9	0.36
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	1	0.36
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	7	0.36
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	10	0.36
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	10	0.36
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	3	0.36
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	4	0.36
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	6	0.36
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	3	0.36
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	17	0.36
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	10	0.36
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	10	0.36
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	10	0.36
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	10	0.36
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	10	0.36
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	10	0.36
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	10	0.36
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	10	0.36
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	10	0.36
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	16	0.36
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	16	0.36
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	16	0.36
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	16	0.36
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	16	0.36
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	16	0.36
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	16	0.36
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	16	0.36
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	16	0.36
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	19	0.36
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	19	0.36
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	4	0.36
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	4	0.36
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	4	0.36
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	7	0.36
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	9	0.36
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	10	0.36
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	19	0.36
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	20	0.36
(1,716)	1:33:A:ARG:H	1:33:A:ARG:HG2	16	0.36
(1,716)	1:33:A:ARG:H	1:33:A:ARG:HG3	16	0.36
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	11	0.36
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	11	0.36
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	11	0.36
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	11	0.36
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	11	0.36
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	11	0.36
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	12	0.36
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	12	0.36
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	12	0.36
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	12	0.36
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	12	0.36
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	12	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	7	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	7	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	7	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	7	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	7	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	7	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	19	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	19	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	19	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	19	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	19	0.36
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	19	0.36
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	1	0.36
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	19	0.36
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	19	0.36
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG11	3	0.36
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG12	3	0.36
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG13	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG21	3	0.36
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG22	3	0.36
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG23	3	0.36
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	6	0.36
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	6	0.36
(1,424)	1:101:A:THR:H	1:101:A:THR:HG1	7	0.36
(1,278)	1:70:A:SER:HA	1:71:A:ILE:H	15	0.36
(1,1236)	1:136:A:VAL:H	1:137:A:GLN:H	14	0.35
(1,1229)	1:135:A:LYS:H	1:136:A:VAL:H	4	0.35
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	16	0.35
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	16	0.35
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	10	0.35
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	10	0.35
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	10	0.35
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	5	0.35
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	16	0.35
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	8	0.35
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	19	0.35
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	9	0.35
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	9	0.35
(1,1195)	1:130:A:ARG:H	1:130:A:ARG:HG2	1	0.35
(1,1195)	1:130:A:ARG:H	1:130:A:ARG:HG3	1	0.35
(1,1178)	1:128:A:ILE:H	1:129:A:ASN:H	4	0.35
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	10	0.35
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	10	0.35
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	10	0.35
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	1	0.35
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	14	0.35
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	19	0.35
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	9	0.35
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	9	0.35
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	9	0.35
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	11	0.35
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	11	0.35
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	11	0.35
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	11	0.35
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	11	0.35
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	11	0.35
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	10	0.35
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	19	0.35
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	17	0.35
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	14	0.35
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	14	0.35
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	1	0.35
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	1	0.35
(1,1126)	1:116:A:VAL:HB	1:117:A:CYS:H	13	0.35
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	8	0.35
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	4	0.35
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	13	0.35
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	19	0.35
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	4	0.35
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	9	0.35
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	13	0.35
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	3	0.35
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	3	0.35
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	3	0.35
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	10	0.35
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	11	0.35
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	11	0.35
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	11	0.35
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	11	0.35
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	11	0.35
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	11	0.35
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	18	0.35
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	18	0.35
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	18	0.35
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	18	0.35
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	18	0.35
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	18	0.35
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	10	0.35
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	10	0.35
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	14	0.35
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	14	0.35
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	14	0.35
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	8	0.35
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	13	0.35
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG12	19	0.35
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG13	19	0.35
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	8	0.35
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	18	0.35
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	19	0.35
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	20	0.35
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	20	0.35
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	20	0.35
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	20	0.35
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	20	0.35
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	20	0.35
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	20	0.35
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	20	0.35
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	7	0.35
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	1	0.35
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	1	0.35
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	18	0.35
(1,1024)	1:99:A:ASN:H	1:99:A:ASN:HA	19	0.35
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	1	0.35
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	20	0.35
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	20	0.35
(1,995)	1:94:A:ASP:HB2	1:95:A:TYR:H	19	0.35
(1,995)	1:94:A:ASP:HB3	1:95:A:TYR:H	19	0.35
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	14	0.35
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	14	0.35
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	14	0.35
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	20	0.35
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	20	0.35
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	20	0.35
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD2	9	0.35
(1,976)	1:91:A:LYS:H	1:91:A:LYS:HD3	9	0.35
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	7	0.35
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	7	0.35
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	11	0.35
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	11	0.35
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	4	0.35
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	6	0.35
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	11	0.35
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	13	0.35
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	6	0.35
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	6	0.35
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	6	0.35
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	18	0.35
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	18	0.35
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	18	0.35
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	7	0.35
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	7	0.35
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,942)	1:84:A:ALA:HB1	1:85:A:THR:H	10	0.35
(1,942)	1:84:A:ALA:HB2	1:85:A:THR:H	10	0.35
(1,942)	1:84:A:ALA:HB3	1:85:A:THR:H	10	0.35
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	17	0.35
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	17	0.35
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	6	0.35
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	6	0.35
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	6	0.35
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	6	0.35
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	20	0.35
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	20	0.35
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	20	0.35
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	20	0.35
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	3	0.35
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	3	0.35
(1,879)	1:64:A:ARG:H	1:65:A:TYR:H	11	0.35
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	12	0.35
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	12	0.35
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	12	0.35
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	12	0.35
(1,867)	1:61:A:ILE:HB	1:62:A:LEU:H	11	0.35
(1,867)	1:61:A:ILE:HB	1:62:A:LEU:H	18	0.35
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	18	0.35
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	18	0.35
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	18	0.35
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	18	0.35
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	18	0.35
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	4	0.35
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	9	0.35
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	10	0.35
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	10	0.35
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	10	0.35
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	20	0.35
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	20	0.35
(1,847)	1:59:A:SER:H	1:59:A:SER:HA	6	0.35
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	4	0.35
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	17	0.35
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	8	0.35
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	6	0.35
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	13	0.35
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	13	0.35
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD2	18	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD3	18	0.35
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	19	0.35
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	19	0.35
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	6	0.35
(1,780)	1:46:A:ASP:H	1:47:A:ILE:H	2	0.35
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	5	0.35
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	9	0.35
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	9	0.35
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	9	0.35
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	9	0.35
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	9	0.35
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	9	0.35
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	1	0.35
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	11	0.35
(1,755)	1:38:A:ALA:H	1:39:A:HIS:H	18	0.35
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	11	0.35
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	5	0.35
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	5	0.35
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	5	0.35
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	13	0.35
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	13	0.35
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	19	0.35
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	19	0.35
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	5	0.35
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	20	0.35
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	13	0.35
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	18	0.35
(1,712)	1:32:A:GLN:H	1:33:A:ARG:H	4	0.35
(1,712)	1:32:A:GLN:H	1:33:A:ARG:H	15	0.35
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	18	0.35
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	4	0.35
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	4	0.35
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	4	0.35
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	4	0.35
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	4	0.35
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	4	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	2	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	2	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	2	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	2	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	2	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	11	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	11	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	11	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	11	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	11	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	11	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	12	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	12	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	12	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	12	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	12	0.35
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	12	0.35
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	7	0.35
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	5	0.35
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	5	0.35
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	20	0.35
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	20	0.35
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB2	10	0.35
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB3	10	0.35
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB2	12	0.35
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB3	12	0.35
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	2	0.34
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	2	0.34
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	16	0.34
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	16	0.34
(1,1229)	1:135:A:LYS:H	1:136:A:VAL:H	12	0.34
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	17	0.34
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	17	0.34
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	1	0.34
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	1	0.34
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	10	0.34
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	10	0.34
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	18	0.34
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	18	0.34
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	6	0.34
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	14	0.34
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD2	3	0.34
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD3	3	0.34
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD2	3	0.34
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD3	3	0.34
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD2	8	0.34
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD3	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD2	8	0.34
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD3	8	0.34
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	12	0.34
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	16	0.34
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	6	0.34
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG12	20	0.34
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG13	20	0.34
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	2	0.34
(1,1190)	1:129:A:ASN:H	1:130:A:ARG:H	4	0.34
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD11	6	0.34
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD12	6	0.34
(1,1179)	1:128:A:ILE:HA	1:128:A:ILE:HD13	6	0.34
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	4	0.34
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	10	0.34
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	13	0.34
(1,1169)	1:127:A:SER:H	1:128:A:ILE:H	13	0.34
(1,1169)	1:127:A:SER:H	1:128:A:ILE:H	15	0.34
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	20	0.34
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	20	0.34
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	20	0.34
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	20	0.34
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	20	0.34
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	20	0.34
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG11	8	0.34
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG12	8	0.34
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG13	8	0.34
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG21	8	0.34
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG22	8	0.34
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG23	8	0.34
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	17	0.34
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	17	0.34
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	17	0.34
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	12	0.34
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	12	0.34
(1,1129)	1:112:A:LEU:HA	1:117:A:CYS:H	18	0.34
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	12	0.34
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	14	0.34
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	6	0.34
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	6	0.34
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	20	0.34
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	20	0.34
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	20	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	2	0.34
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	19	0.34
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	19	0.34
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	19	0.34
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	19	0.34
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	19	0.34
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	19	0.34
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	2	0.34
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	10	0.34
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	17	0.34
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	2	0.34
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	14	0.34
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	14	0.34
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	14	0.34
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	14	0.34
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	14	0.34
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	14	0.34
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	12	0.34
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	4	0.34
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	4	0.34
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	6	0.34
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	6	0.34
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	6	0.34
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	9	0.34
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	13	0.34
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG12	3	0.34
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG13	3	0.34
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	20	0.34
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	20	0.34
(1,1063)	1:106:A:GLU:HB2	1:107:A:ILE:H	20	0.34
(1,1063)	1:106:A:GLU:HB3	1:107:A:ILE:H	20	0.34
(1,1057)	1:105:A:TRP:H	1:106:A:GLU:H	20	0.34
(1,1023)	1:98:A:GLN:HB2	1:99:A:ASN:H	15	0.34
(1,1023)	1:98:A:GLN:HB3	1:99:A:ASN:H	15	0.34
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	13	0.34
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD2	9	0.34
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD3	9	0.34
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	18	0.34
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	18	0.34
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	19	0.34
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	19	0.34
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	3	0.34
(1,995)	1:94:A:ASP:HB2	1:95:A:TYR:H	11	0.34
(1,995)	1:94:A:ASP:HB3	1:95:A:TYR:H	11	0.34
(1,980)	1:91:A:LYS:HA	1:92:A:ILE:H	18	0.34
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	20	0.34
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	20	0.34
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	1	0.34
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	1	0.34
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	10	0.34
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	5	0.34
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	14	0.34
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	20	0.34
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	6	0.34
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	2	0.34
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	2	0.34
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	2	0.34
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	4	0.34
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	4	0.34
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	4	0.34
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	10	0.34
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	10	0.34
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	10	0.34
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	19	0.34
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	19	0.34
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	19	0.34
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	13	0.34
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	13	0.34
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG11	10	0.34
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG12	10	0.34
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG13	10	0.34
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG21	10	0.34
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG22	10	0.34
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG23	10	0.34
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	2	0.34
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG12	9	0.34
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG13	9	0.34
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	18	0.34
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	18	0.34
(1,894)	1:66:A:TYR:HA	1:67:A:GLU:H	4	0.34
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	17	0.34
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	17	0.34
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	17	0.34
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	10	0.34
(1,867)	1:61:A:ILE:HB	1:62:A:LEU:H	5	0.34
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	20	0.34
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	20	0.34
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	20	0.34
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	10	0.34
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	10	0.34
(1,848)	1:59:A:SER:H	1:59:A:SER:HB2	10	0.34
(1,848)	1:59:A:SER:H	1:59:A:SER:HB3	10	0.34
(1,848)	1:59:A:SER:H	1:59:A:SER:HB2	12	0.34
(1,848)	1:59:A:SER:H	1:59:A:SER:HB3	12	0.34
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	19	0.34
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	18	0.34
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	18	0.34
(1,831)	1:53:A:VAL:HB	1:54:A:SER:H	11	0.34
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	13	0.34
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG2	2	0.34
(1,810)	1:50:A:GLN:HA	1:50:A:GLN:HG3	2	0.34
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	11	0.34
(1,782)	1:46:A:ASP:HB2	1:47:A:ILE:H	16	0.34
(1,782)	1:46:A:ASP:HB3	1:47:A:ILE:H	16	0.34
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	8	0.34
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	11	0.34
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG2	3	0.34
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG3	3	0.34
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	1	0.34
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	1	0.34
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	1	0.34
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	1	0.34
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	1	0.34
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	1	0.34
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	6	0.34
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	1	0.34
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	2	0.34
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	3	0.34
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	8	0.34
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	11	0.34
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	3	0.34
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	8	0.34
(1,715)	1:33:A:ARG:H	1:33:A:ARG:HA	13	0.34
(1,712)	1:32:A:GLN:H	1:33:A:ARG:H	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	10	0.34
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	10	0.34
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	10	0.34
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	10	0.34
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	10	0.34
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	10	0.34
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	19	0.34
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	19	0.34
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	19	0.34
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	19	0.34
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	19	0.34
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	19	0.34
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	3	0.34
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	3	0.34
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	17	0.34
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	17	0.34
(1,672)	1:19:A:ALA:HB1	1:20:A:PHE:H	18	0.34
(1,672)	1:19:A:ALA:HB2	1:20:A:PHE:H	18	0.34
(1,672)	1:19:A:ALA:HB3	1:20:A:PHE:H	18	0.34
(1,664)	1:15:A:GLN:H	1:15:A:GLN:HA	1	0.34
(1,320)	1:82:A:LYS:H	1:83:A:VAL:H	2	0.34
(1,278)	1:70:A:SER:HA	1:71:A:ILE:H	17	0.34
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	18	0.33
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	18	0.33
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	18	0.33
(1,1223)	1:134:A:THR:HA	1:135:A:LYS:H	11	0.33
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	12	0.33
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	19	0.33
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	8	0.33
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	9	0.33
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	10	0.33
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	5	0.33
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	17	0.33
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	15	0.33
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	12	0.33
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	12	0.33
(1,1194)	1:130:A:ARG:H	1:130:A:ARG:HA	5	0.33
(1,1193)	1:129:A:ASN:HB2	1:130:A:ARG:H	2	0.33
(1,1193)	1:129:A:ASN:HB3	1:130:A:ARG:H	2	0.33
(1,1178)	1:128:A:ILE:H	1:129:A:ASN:H	11	0.33
(1,1178)	1:128:A:ILE:H	1:129:A:ASN:H	13	0.33
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	15	0.33
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	15	0.33
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	12	0.33
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	12	0.33
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	9	0.33
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	12	0.33
(1,1171)	1:127:A:SER:HB2	1:128:A:ILE:H	16	0.33
(1,1171)	1:127:A:SER:HB3	1:128:A:ILE:H	16	0.33
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	18	0.33
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	8	0.33
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	8	0.33
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	8	0.33
(1,1143)	1:120:A:ASP:H	1:120:A:ASP:HA	18	0.33
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	3	0.33
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	4	0.33
(1,1132)	1:117:A:CYS:HB2	1:122:A:VAL:H	14	0.33
(1,1132)	1:117:A:CYS:HB3	1:122:A:VAL:H	14	0.33
(1,1126)	1:116:A:VAL:HB	1:117:A:CYS:H	4	0.33
(1,1126)	1:116:A:VAL:HB	1:117:A:CYS:H	18	0.33
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	10	0.33
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	11	0.33
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	16	0.33
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	9	0.33
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	9	0.33
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	9	0.33
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	17	0.33
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	20	0.33
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	20	0.33
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	20	0.33
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	20	0.33
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	20	0.33
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	20	0.33
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	20	0.33
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	20	0.33
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	11	0.33
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	11	0.33
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	11	0.33
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	11	0.33
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	11	0.33
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	11	0.33
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	16	0.33
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	16	0.33
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	16	0.33
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	16	0.33
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	16	0.33
(1,1092)	1:111:A:LEU:H	1:111:A:LEU:HA	12	0.33
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	18	0.33
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD2	10	0.33
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD3	10	0.33
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	10	0.33
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD3	10	0.33
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	7	0.33
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	9	0.33
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	17	0.33
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	19	0.33
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	19	0.33
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	10	0.33
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	10	0.33
(1,1070)	1:107:A:ILE:H	1:108:A:ARG:H	16	0.33
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	11	0.33
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	12	0.33
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	20	0.33
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	16	0.33
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	1	0.33
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	1	0.33
(1,1057)	1:105:A:TRP:H	1:106:A:GLU:H	14	0.33
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	16	0.33
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	16	0.33
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG2	6	0.33
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG3	6	0.33
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	8	0.33
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	8	0.33
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	8	0.33
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	8	0.33
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	20	0.33
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	20	0.33
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	13	0.33
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	13	0.33
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	17	0.33
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	17	0.33
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	16	0.33
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	16	0.33
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	1	0.33
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	8	0.33
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	20	0.33
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	8	0.33
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	8	0.33
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	8	0.33
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	20	0.33
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	20	0.33
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	20	0.33
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	15	0.33
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	15	0.33
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	15	0.33
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	15	0.33
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	15	0.33
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	15	0.33
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	20	0.33
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	20	0.33
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	20	0.33
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	20	0.33
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	20	0.33
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	20	0.33
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	9	0.33
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	9	0.33
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	4	0.33
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	4	0.33
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	4	0.33
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB2	20	0.33
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB3	20	0.33
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	12	0.33
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	12	0.33
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	12	0.33
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	12	0.33
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	12	0.33
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	12	0.33
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	5	0.33
(1,867)	1:61:A:ILE:HB	1:62:A:LEU:H	9	0.33
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	13	0.33
(1,859)	1:61:A:ILE:H	1:61:A:ILE:HA	11	0.33
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	19	0.33
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	19	0.33
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	5	0.33
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	3	0.33
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	15	0.33
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	4	0.33
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	2	0.33
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	10	0.33
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	6	0.33
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	14	0.33
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	14	0.33
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	14	0.33
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	14	0.33
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	14	0.33
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	14	0.33
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD11	3	0.33
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD12	3	0.33
(1,790)	1:47:A:ILE:HA	1:47:A:ILE:HD13	3	0.33
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	15	0.33
(1,780)	1:46:A:ASP:H	1:47:A:ILE:H	3	0.33
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	19	0.33
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	20	0.33
(1,773)	1:43:A:ARG:H	1:43:A:ARG:HA	17	0.33
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	17	0.33
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	17	0.33
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	17	0.33
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	17	0.33
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	17	0.33
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	17	0.33
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	20	0.33
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	20	0.33
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	20	0.33
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	20	0.33
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	20	0.33
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	20	0.33
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	5	0.33
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	14	0.33
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	14	0.33
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	14	0.33
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	5	0.33
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	16	0.33
(1,734)	1:34:A:ILE:HG21	1:35:A:VAL:H	18	0.33
(1,734)	1:34:A:ILE:HG22	1:35:A:VAL:H	18	0.33
(1,734)	1:34:A:ILE:HG23	1:35:A:VAL:H	18	0.33
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	10	0.33
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	10	0.33
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	1	0.33
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	1	0.33
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	12	0.33
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	12	0.33
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	18	0.33
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	18	0.33
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	12	0.33
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	8	0.33
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	8	0.33
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	8	0.33
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	8	0.33
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	3	0.33
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	3	0.33
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	3	0.33
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	17	0.33
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	17	0.33
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	17	0.33
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	17	0.33
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	17	0.33
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	17	0.33
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	18	0.33
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	4	0.33
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	5	0.33
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	5	0.33
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	5	0.33
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	4	0.33
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	4	0.33
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	4	0.33
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	4	0.33
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	4	0.33
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	4	0.33
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	9	0.33
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	9	0.33
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	14	0.33
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	14	0.33
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB2	2	0.33
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB3	2	0.33
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	16	0.33
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	11	0.33
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	14	0.33
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	14	0.33
(1,667)	1:15:A:GLN:HB2	1:16:A:LEU:H	19	0.33
(1,667)	1:15:A:GLN:HB3	1:16:A:LEU:H	19	0.33
(1,667)	1:15:A:GLN:HB2	1:16:A:LEU:H	19	0.33
(1,667)	1:15:A:GLN:HB3	1:16:A:LEU:H	19	0.33
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	1	0.32
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	1	0.32
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	1	0.32
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	10	0.32
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	10	0.32
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	10	0.32
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	16	0.32
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	16	0.32
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	8	0.32
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	8	0.32
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	14	0.32
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	14	0.32
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG2	1	0.32
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG3	1	0.32
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	20	0.32
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	20	0.32
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD2	7	0.32
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD3	7	0.32
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD2	7	0.32
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD3	7	0.32
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	19	0.32
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	19	0.32
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	7	0.32
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	11	0.32
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD11	18	0.32
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD12	18	0.32
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD13	18	0.32
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	16	0.32
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	16	0.32
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	16	0.32
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	14	0.32
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	14	0.32
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	1	0.32
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	1	0.32
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	1	0.32
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	19	0.32
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	19	0.32
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG11	20	0.32
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG12	20	0.32
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG13	20	0.32
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG21	20	0.32
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG22	20	0.32
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG23	20	0.32
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	2	0.32
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	2	0.32
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	2	0.32
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	7	0.32
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB2	20	0.32
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB3	20	0.32
(1,1126)	1:116:A:VAL:HB	1:117:A:CYS:H	9	0.32
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	3	0.32
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	8	0.32
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	18	0.32
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	19	0.32
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	18	0.32
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	18	0.32
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	14	0.32
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	10	0.32
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	10	0.32
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	10	0.32
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	10	0.32
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	10	0.32
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	10	0.32
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	8	0.32
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	6	0.32
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	6	0.32
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	6	0.32
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	19	0.32
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	13	0.32
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	14	0.32
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	8	0.32
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	8	0.32
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	16	0.32
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	17	0.32
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	15	0.32
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	18	0.32
(1,1064)	1:107:A:ILE:H	1:107:A:ILE:HA	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	15	0.32
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	13	0.32
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	13	0.32
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	13	0.32
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	13	0.32
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	13	0.32
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	13	0.32
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB2	2	0.32
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB3	2	0.32
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD1	9	0.32
(1,1042)	1:103:A:PHE:H	1:103:A:PHE:HD2	9	0.32
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD2	15	0.32
(1,1008)	1:96:A:LYS:H	1:96:A:LYS:HD3	15	0.32
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	11	0.32
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	6	0.32
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	20	0.32
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	20	0.32
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	6	0.32
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	17	0.32
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	17	0.32
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	16	0.32
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	16	0.32
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	16	0.32
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	1	0.32
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	1	0.32
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	10	0.32
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	10	0.32
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	10	0.32
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	10	0.32
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	1	0.32
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	11	0.32
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	6	0.32
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	11	0.32
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	17	0.32
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	19	0.32
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	19	0.32
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	19	0.32
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	19	0.32
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	19	0.32
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	19	0.32
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	17	0.32
(1,939)	1:83:A:VAL:HG11	1:84:A:ALA:H	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,939)	1:83:A:VAL:HG12	1:84:A:ALA:H	15	0.32
(1,939)	1:83:A:VAL:HG13	1:84:A:ALA:H	15	0.32
(1,939)	1:83:A:VAL:HG21	1:84:A:ALA:H	15	0.32
(1,939)	1:83:A:VAL:HG22	1:84:A:ALA:H	15	0.32
(1,939)	1:83:A:VAL:HG23	1:84:A:ALA:H	15	0.32
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	1	0.32
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	1	0.32
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	19	0.32
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB2	8	0.32
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB3	8	0.32
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	5	0.32
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	5	0.32
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	4	0.32
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	8	0.32
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	20	0.32
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	1	0.32
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	5	0.32
(1,839)	1:57:A:CYS:HB2	1:58:A:VAL:H	2	0.32
(1,839)	1:57:A:CYS:HB3	1:58:A:VAL:H	2	0.32
(1,839)	1:57:A:CYS:HB2	1:58:A:VAL:H	2	0.32
(1,839)	1:57:A:CYS:HB3	1:58:A:VAL:H	2	0.32
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	4	0.32
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	4	0.32
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	14	0.32
(1,809)	1:50:A:GLN:H	1:51:A:LEU:H	19	0.32
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	9	0.32
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	9	0.32
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	9	0.32
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	9	0.32
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	9	0.32
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	9	0.32
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	6	0.32
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	16	0.32
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	20	0.32
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	5	0.32
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	20	0.32
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	15	0.32
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	18	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	8	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	8	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	8	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	8	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	8	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	14	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	14	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	14	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	14	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	14	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	14	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	17	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	17	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	17	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	17	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	17	0.32
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	17	0.32
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	5	0.32
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	5	0.32
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	12	0.32
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	18	0.32
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	18	0.32
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	18	0.32
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	18	0.32
(1,744)	1:36:A:ASP:H	1:37:A:LEU:H	13	0.32
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	19	0.32
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	19	0.32
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	19	0.32
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	19	0.32
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	19	0.32
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	19	0.32
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	19	0.32
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	19	0.32
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	19	0.32
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	14	0.32
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	14	0.32
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	1	0.32
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	13	0.32
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	3	0.32
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	3	0.32
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	11	0.32
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	11	0.32
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	10	0.32
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	10	0.32
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	10	0.32
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE21	4	0.32
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE22	4	0.32
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE21	4	0.32
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE22	4	0.32
(1,712)	1:32:A:GLN:H	1:33:A:ARG:H	1	0.32
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	3	0.32
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	4	0.32
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	15	0.32
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	20	0.32
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	14	0.32
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	14	0.32
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	14	0.32
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	14	0.32
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	14	0.32
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	14	0.32
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	7	0.32
(1,697)	1:29:A:VAL:HA	1:32:A:GLN:H	15	0.32
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	4	0.32
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	6	0.32
(1,619)	1:136:A:VAL:H	1:137:A:GLN:H	7	0.32
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	9	0.31
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	9	0.31
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	15	0.31
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	15	0.31
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	4	0.31
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	4	0.31
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	15	0.31
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	15	0.31
(1,1224)	1:134:A:THR:HG21	1:134:A:THR:HG1	15	0.31
(1,1224)	1:134:A:THR:HG22	1:134:A:THR:HG1	15	0.31
(1,1224)	1:134:A:THR:HG23	1:134:A:THR:HG1	15	0.31
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	2	0.31
(1,1220)	1:134:A:THR:H	1:134:A:THR:HG1	12	0.31
(1,1220)	1:134:A:THR:H	1:134:A:THR:HG1	19	0.31
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD2	13	0.31
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD3	13	0.31
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD2	13	0.31
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD3	13	0.31
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	3	0.31
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	11	0.31
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD11	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD12	3	0.31
(1,1208)	1:131:A:ILE:HA	1:131:A:ILE:HD13	3	0.31
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	15	0.31
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	15	0.31
(1,1178)	1:128:A:ILE:H	1:129:A:ASN:H	10	0.31
(1,1178)	1:128:A:ILE:H	1:129:A:ASN:H	14	0.31
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	4	0.31
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	4	0.31
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	4	0.31
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	7	0.31
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	7	0.31
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	7	0.31
(1,1172)	1:128:A:ILE:H	1:128:A:ILE:HA	20	0.31
(1,1169)	1:127:A:SER:H	1:128:A:ILE:H	7	0.31
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	1	0.31
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	2	0.31
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	14	0.31
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	1	0.31
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	1	0.31
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	1	0.31
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	1	0.31
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	1	0.31
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	1	0.31
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG11	7	0.31
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG12	7	0.31
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG13	7	0.31
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG21	7	0.31
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG22	7	0.31
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG23	7	0.31
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	12	0.31
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	12	0.31
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	13	0.31
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	13	0.31
(1,1126)	1:116:A:VAL:HB	1:117:A:CYS:H	11	0.31
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	15	0.31
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	16	0.31
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	3	0.31
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	3	0.31
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	3	0.31
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	3	0.31
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	3	0.31
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	5	0.31
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	5	0.31
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	5	0.31
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	5	0.31
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	5	0.31
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	5	0.31
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	6	0.31
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	20	0.31
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB1	17	0.31
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB2	17	0.31
(1,1091)	1:110:A:ARG:HA	1:113:A:ALA:HB3	17	0.31
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	3	0.31
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	2	0.31
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	2	0.31
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	1	0.31
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	11	0.31
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	9	0.31
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	9	0.31
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	9	0.31
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	9	0.31
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	9	0.31
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	9	0.31
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	9	0.31
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	9	0.31
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	9	0.31
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	15	0.31
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	15	0.31
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	15	0.31
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	15	0.31
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	15	0.31
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	15	0.31
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	15	0.31
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	15	0.31
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	15	0.31
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	7	0.31
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG12	20	0.31
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG13	20	0.31
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG12	15	0.31
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG13	15	0.31
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	1	0.31
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	9	0.31
(1,1057)	1:105:A:TRP:H	1:106:A:GLU:H	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1049)	1:104:A:ALA:HB1	1:105:A:TRP:H	9	0.31
(1,1049)	1:104:A:ALA:HB2	1:105:A:TRP:H	9	0.31
(1,1049)	1:104:A:ALA:HB3	1:105:A:TRP:H	9	0.31
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	8	0.31
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG2	7	0.31
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG3	7	0.31
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	16	0.31
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	9	0.31
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	9	0.31
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	12	0.31
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	12	0.31
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	3	0.31
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	20	0.31
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	8	0.31
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	8	0.31
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	20	0.31
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	20	0.31
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	2	0.31
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	2	0.31
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	2	0.31
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	2	0.31
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	16	0.31
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	2	0.31
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	2	0.31
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	2	0.31
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	2	0.31
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	2	0.31
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	2	0.31
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	2	0.31
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	11	0.31
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	17	0.31
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	14	0.31
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	14	0.31
(1,952)	1:87:A:LYS:H	1:88:A:VAL:H	3	0.31
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG11	11	0.31
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG12	11	0.31
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG13	11	0.31
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG21	11	0.31
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG22	11	0.31
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG23	11	0.31
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	20	0.31
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	8	0.31
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	17	0.31
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	6	0.31
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	9	0.31
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	12	0.31
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	2	0.31
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	2	0.31
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	2	0.31
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	3	0.31
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	3	0.31
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	3	0.31
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	10	0.31
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	1	0.31
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	1	0.31
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	2	0.31
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	2	0.31
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	17	0.31
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE3	17	0.31
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE2	17	0.31
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE3	17	0.31
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	12	0.31
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	12	0.31
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	12	0.31
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	12	0.31
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	20	0.31
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	20	0.31
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	1	0.31
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	12	0.31
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	13	0.31
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	6	0.31
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	5	0.31
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	12	0.31
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	1	0.31
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	6	0.31
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	6	0.31
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	6	0.31
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	15	0.31
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	15	0.31
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	15	0.31
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	18	0.31
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	18	0.31
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	4	0.31
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	6	0.31
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	2	0.31
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	2	0.31
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	6	0.31
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	15	0.31
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	5	0.31
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	5	0.31
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	5	0.31
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	5	0.31
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	5	0.31
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	5	0.31
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	5	0.31
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	5	0.31
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	5	0.31
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	15	0.31
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	11	0.31
(1,691)	1:27:A:PRO:HA	1:28:A:GLU:H	7	0.31
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	11	0.31
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	11	0.31
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB2	4	0.31
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB3	4	0.31
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	1	0.31
(1,20)	1:16:A:LEU:HA	1:17:A:GLY:H	14	0.31
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	13	0.3
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	13	0.3
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	13	0.3
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	14	0.3
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	14	0.3
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	4	0.3
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	4	0.3
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	15	0.3
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	15	0.3
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	20	0.3
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	20	0.3
(1,1229)	1:135:A:LYS:H	1:136:A:VAL:H	7	0.3
(1,1220)	1:134:A:THR:H	1:134:A:THR:HG1	11	0.3
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	18	0.3
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	13	0.3
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	10	0.3
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	14	0.3
(1,1178)	1:128:A:ILE:H	1:129:A:ASN:H	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG12	7	0.3
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG13	7	0.3
(1,1167)	1:126:A:SER:H	1:127:A:SER:H	7	0.3
(1,1167)	1:126:A:SER:H	1:127:A:SER:H	12	0.3
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	11	0.3
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	13	0.3
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	16	0.3
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	2	0.3
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	2	0.3
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG11	3	0.3
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG12	3	0.3
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG13	3	0.3
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG21	3	0.3
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG22	3	0.3
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG23	3	0.3
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	4	0.3
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	11	0.3
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	5	0.3
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	7	0.3
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	12	0.3
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	12	0.3
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	12	0.3
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	12	0.3
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	6	0.3
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	6	0.3
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	6	0.3
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	6	0.3
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	6	0.3
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	6	0.3
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	10	0.3
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	10	0.3
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	10	0.3
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	10	0.3
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	10	0.3
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	10	0.3
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	13	0.3
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	5	0.3
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	5	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	3	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	3	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	3	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	3	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	3	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	11	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	11	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	11	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	11	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	11	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	11	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	15	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	15	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	15	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	15	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	15	0.3
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	15	0.3
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	17	0.3
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	17	0.3
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	1	0.3
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	1	0.3
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	1	0.3
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	1	0.3
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	1	0.3
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	1	0.3
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	9	0.3
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	9	0.3
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	9	0.3
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	9	0.3
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	9	0.3
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	9	0.3
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	5	0.3
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	5	0.3
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	14	0.3
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	14	0.3
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	17	0.3
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	17	0.3
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	2	0.3
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	2	0.3
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	18	0.3
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	6	0.3
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	11	0.3
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	19	0.3
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	5	0.3
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG2	8	0.3
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG3	8	0.3
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG2	17	0.3
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG3	17	0.3
(1,1033)	1:102:A:MET:H	1:102:A:MET:HA	20	0.3
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	9	0.3
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG2	8	0.3
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG3	8	0.3
(1,1006)	1:95:A:TYR:HE1	1:111:A:LEU:H	20	0.3
(1,1006)	1:95:A:TYR:HE2	1:111:A:LEU:H	20	0.3
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	12	0.3
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	12	0.3
(1,1004)	1:95:A:TYR:HB2	1:96:A:LYS:H	12	0.3
(1,1004)	1:95:A:TYR:HB3	1:96:A:LYS:H	12	0.3
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	7	0.3
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	7	0.3
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	11	0.3
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	11	0.3
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	14	0.3
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	15	0.3
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	19	0.3
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	19	0.3
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	2	0.3
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	2	0.3
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	2	0.3
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	2	0.3
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	2	0.3
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	2	0.3
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	2	0.3
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	2	0.3
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	2	0.3
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	11	0.3
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	11	0.3
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	11	0.3
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	4	0.3
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	4	0.3
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	16	0.3
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	16	0.3
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	14	0.3
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	9	0.3
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	3	0.3
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	5	0.3
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	8	0.3
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	18	0.3
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	13	0.3
(1,956)	1:88:A:VAL:H	1:88:A:VAL:HA	7	0.3
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	15	0.3
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	15	0.3
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	15	0.3
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	15	0.3
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	12	0.3
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	12	0.3
(1,948)	1:85:A:THR:HG21	1:85:A:THR:HG1	16	0.3
(1,948)	1:85:A:THR:HG22	1:85:A:THR:HG1	16	0.3
(1,948)	1:85:A:THR:HG23	1:85:A:THR:HG1	16	0.3
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	4	0.3
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	4	0.3
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	9	0.3
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	9	0.3
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	20	0.3
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	20	0.3
(1,919)	1:74:A:GLY:H	1:75:A:VAL:H	13	0.3
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG12	14	0.3
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG13	14	0.3
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB2	10	0.3
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB3	10	0.3
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	19	0.3
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	19	0.3
(1,876)	1:63:A:GLY:H	1:64:A:ARG:H	15	0.3
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	3	0.3
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	2	0.3
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	2	0.3
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	2	0.3
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	2	0.3
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	2	0.3
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	2	0.3
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	14	0.3
(1,867)	1:61:A:ILE:HB	1:62:A:LEU:H	4	0.3
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	4	0.3
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	4	0.3
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	19	0.3
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	19	0.3
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	3	0.3
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	13	0.3
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	15	0.3
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	15	0.3
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	2	0.3
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	15	0.3
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	17	0.3
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	13	0.3
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	12	0.3
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	20	0.3
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	18	0.3
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	18	0.3
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	18	0.3
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	18	0.3
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	18	0.3
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	18	0.3
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	17	0.3
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	17	0.3
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	16	0.3
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	14	0.3
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	14	0.3
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	14	0.3
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	10	0.3
(1,780)	1:46:A:ASP:H	1:47:A:ILE:H	4	0.3
(1,780)	1:46:A:ASP:H	1:47:A:ILE:H	10	0.3
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	10	0.3
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	12	0.3
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	4	0.3
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG2	12	0.3
(1,764)	1:40:A:GLN:H	1:40:A:GLN:HG3	12	0.3
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	13	0.3
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	17	0.3
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	20	0.3
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	9	0.3
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	9	0.3
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	9	0.3
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	9	0.3
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	9	0.3
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	5	0.3
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	5	0.3
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	8	0.3
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	15	0.3
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	15	0.3
(1,724)	1:34:A:ILE:H	1:34:A:ILE:HA	18	0.3
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	12	0.3
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	12	0.3
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	12	0.3
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	12	0.3
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE21	12	0.3
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE22	12	0.3
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE21	12	0.3
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE22	12	0.3
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD11	2	0.3
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD12	2	0.3
(1,708)	1:31:A:ARG:HA	1:34:A:ILE:HD13	2	0.3
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	7	0.3
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	8	0.3
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	17	0.3
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	1	0.3
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	1	0.3
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	1	0.3
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	1	0.3
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	1	0.3
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	1	0.3
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	18	0.3
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	18	0.3
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	18	0.3
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	18	0.3
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	18	0.3
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	18	0.3
(1,694)	1:29:A:VAL:H	1:29:A:VAL:HB	20	0.3
(1,691)	1:27:A:PRO:HA	1:28:A:GLU:H	10	0.3
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG2	16	0.3
(1,685)	1:24:A:ARG:H	1:24:A:ARG:HG3	16	0.3
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	17	0.3
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	4	0.3
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	4	0.3
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	5	0.3
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	5	0.3
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	3	0.3
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	3	0.3
(1,619)	1:136:A:VAL:H	1:137:A:GLN:H	15	0.3
(1,320)	1:82:A:LYS:H	1:83:A:VAL:H	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,298)	1:75:A:VAL:H	1:76:A:ILE:H	10	0.3
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	7	0.29
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	7	0.29
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	7	0.29
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	8	0.29
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	8	0.29
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	6	0.29
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	6	0.29
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	13	0.29
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	13	0.29
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	4	0.29
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	10	0.29
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	20	0.29
(1,1220)	1:134:A:THR:H	1:134:A:THR:HG1	8	0.29
(1,1220)	1:134:A:THR:H	1:134:A:THR:HG1	10	0.29
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	3	0.29
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	3	0.29
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	4	0.29
(1,1209)	1:132:A:ILE:H	1:132:A:ILE:HA	1	0.29
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	6	0.29
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	6	0.29
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	6	0.29
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	5	0.29
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	9	0.29
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	19	0.29
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG11	12	0.29
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG12	12	0.29
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG13	12	0.29
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG21	12	0.29
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG22	12	0.29
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG23	12	0.29
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	20	0.29
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	13	0.29
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB2	4	0.29
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB3	4	0.29
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	1	0.29
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	8	0.29
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	13	0.29
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	5	0.29
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	5	0.29
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	5	0.29
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	7	0.29
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	5	0.29
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	11	0.29
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	12	0.29
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	12	0.29
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	12	0.29
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	5	0.29
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	5	0.29
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	5	0.29
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	5	0.29
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	5	0.29
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	5	0.29
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	8	0.29
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	8	0.29
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	8	0.29
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	8	0.29
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	8	0.29
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	8	0.29
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	6	0.29
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	6	0.29
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	6	0.29
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	6	0.29
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	6	0.29
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	6	0.29
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	20	0.29
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	20	0.29
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	20	0.29
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	20	0.29
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	20	0.29
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	20	0.29
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	16	0.29
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	6	0.29
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	6	0.29
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	3	0.29
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	3	0.29
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	11	0.29
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	11	0.29
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	13	0.29
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	13	0.29
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	15	0.29
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	15	0.29
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	8	0.29
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	19	0.29
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	20	0.29
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	5	0.29
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	5	0.29
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	5	0.29
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	5	0.29
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	5	0.29
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	5	0.29
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	5	0.29
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	5	0.29
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	5	0.29
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB2	17	0.29
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB3	17	0.29
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	2	0.29
(1,1032)	1:101:A:THR:HA	1:102:A:MET:H	20	0.29
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	17	0.29
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	18	0.29
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	2	0.29
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	2	0.29
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	8	0.29
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	8	0.29
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	3	0.29
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	3	0.29
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	3	0.29
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	3	0.29
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	3	0.29
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	3	0.29
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	17	0.29
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	17	0.29
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	2	0.29
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	2	0.29
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	2	0.29
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	1	0.29
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	12	0.29
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	3	0.29
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	3	0.29
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	7	0.29
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	18	0.29
(1,894)	1:66:A:TYR:HA	1:67:A:GLU:H	15	0.29
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB2	14	0.29
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB3	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	2	0.29
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	2	0.29
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	2	0.29
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	2	0.29
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	19	0.29
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	19	0.29
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	19	0.29
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	19	0.29
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	11	0.29
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	11	0.29
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	1	0.29
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	13	0.29
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	17	0.29
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	5	0.29
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	5	0.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	6	0.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	6	0.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	6	0.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	7	0.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	7	0.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	7	0.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	14	0.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	14	0.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	14	0.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	20	0.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	20	0.29
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	20	0.29
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	5	0.29
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	19	0.29
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	19	0.29
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	18	0.29
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG11	15	0.29
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG12	15	0.29
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG13	15	0.29
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG21	15	0.29
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG22	15	0.29
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG23	15	0.29
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	4	0.29
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	12	0.29
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	5	0.29
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	8	0.29
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	15	0.29
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	15	0.29
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	20	0.29
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	20	0.29
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	19	0.29
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG2	19	0.29
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG3	19	0.29
(1,801)	1:48:A:SER:HB2	1:49:A:ARG:H	15	0.29
(1,801)	1:48:A:SER:HB3	1:49:A:ARG:H	15	0.29
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	3	0.29
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	5	0.29
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	5	0.29
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	5	0.29
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	11	0.29
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	11	0.29
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	11	0.29
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	4	0.29
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	2	0.29
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	12	0.29
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	2	0.29
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	4	0.29
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	7	0.29
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	14	0.29
(1,757)	1:38:A:ALA:HA	1:42:A:VAL:H	3	0.29
(1,732)	1:34:A:ILE:HB	1:35:A:VAL:H	17	0.29
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD2	16	0.29
(1,718)	1:33:A:ARG:HA	1:33:A:ARG:HD3	16	0.29
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	6	0.29
(1,712)	1:32:A:GLN:H	1:33:A:ARG:H	7	0.29
(1,707)	1:31:A:ARG:H	1:32:A:GLN:H	9	0.29
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	13	0.29
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	9	0.29
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	9	0.29
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	9	0.29
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	9	0.29
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	9	0.29
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	9	0.29
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	16	0.29
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	16	0.29
(1,672)	1:19:A:ALA:HB1	1:20:A:PHE:H	14	0.29
(1,672)	1:19:A:ALA:HB2	1:20:A:PHE:H	14	0.29
(1,672)	1:19:A:ALA:HB3	1:20:A:PHE:H	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:19:A:ALA:HB1	1:20:A:PHE:H	16	0.29
(1,672)	1:19:A:ALA:HB2	1:20:A:PHE:H	16	0.29
(1,672)	1:19:A:ALA:HB3	1:20:A:PHE:H	16	0.29
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD11	8	0.29
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD12	8	0.29
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD13	8	0.29
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD21	8	0.29
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD22	8	0.29
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD23	8	0.29
(1,320)	1:82:A:LYS:H	1:83:A:VAL:H	19	0.29
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	13	0.28
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	19	0.28
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	19	0.28
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	11	0.28
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	11	0.28
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	13	0.28
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	13	0.28
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	1	0.28
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	17	0.28
(1,1169)	1:127:A:SER:H	1:128:A:ILE:H	19	0.28
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	15	0.28
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	17	0.28
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	9	0.28
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	9	0.28
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	9	0.28
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	9	0.28
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	9	0.28
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	9	0.28
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	19	0.28
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	19	0.28
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	19	0.28
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	19	0.28
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	19	0.28
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	19	0.28
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG11	4	0.28
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG12	4	0.28
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG13	4	0.28
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG21	4	0.28
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG22	4	0.28
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG23	4	0.28
(1,1144)	1:120:A:ASP:H	1:121:A:THR:H	3	0.28
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	11	0.28
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	11	0.28
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	7	0.28
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	7	0.28
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	7	0.28
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	7	0.28
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	7	0.28
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	7	0.28
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	16	0.28
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	17	0.28
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	17	0.28
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	17	0.28
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	17	0.28
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	17	0.28
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	17	0.28
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	5	0.28
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	11	0.28
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	17	0.28
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD2	16	0.28
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD3	16	0.28
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	16	0.28
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD3	16	0.28
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	1	0.28
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	1	0.28
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	10	0.28
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	10	0.28
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	10	0.28
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	10	0.28
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	10	0.28
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	10	0.28
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	10	0.28
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	10	0.28
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	10	0.28
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	17	0.28
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	14	0.28
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	16	0.28
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	17	0.28
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	4	0.28
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	4	0.28
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	4	0.28
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	4	0.28
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	4	0.28
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	4	0.28
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	4	0.28
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	4	0.28
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	4	0.28
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	13	0.28
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	13	0.28
(1,1007)	1:96:A:LYS:H	1:96:A:LYS:HA	6	0.28
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	15	0.28
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	15	0.28
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	16	0.28
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	16	0.28
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	5	0.28
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	10	0.28
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	10	0.28
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	12	0.28
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	12	0.28
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	13	0.28
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	13	0.28
(1,995)	1:94:A:ASP:HB2	1:95:A:TYR:H	20	0.28
(1,995)	1:94:A:ASP:HB3	1:95:A:TYR:H	20	0.28
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	3	0.28
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	19	0.28
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	19	0.28
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	18	0.28
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	18	0.28
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	1	0.28
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	1	0.28
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	3	0.28
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	3	0.28
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	3	0.28
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	3	0.28
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	3	0.28
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	3	0.28
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	3	0.28
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	3	0.28
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	3	0.28
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	3	0.28
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	19	0.28
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	4	0.28
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	4	0.28
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	4	0.28
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	4	0.28
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	4	0.28
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	4	0.28
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	4	0.28
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	4	0.28
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	4	0.28
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	4	0.28
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	4	0.28
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	14	0.28
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	14	0.28
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	16	0.28
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	16	0.28
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	11	0.28
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	17	0.28
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	17	0.28
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	6	0.28
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	6	0.28
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	6	0.28
(1,903)	1:69:A:GLY:H	1:70:A:SER:H	13	0.28
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	8	0.28
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	8	0.28
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	8	0.28
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	8	0.28
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD11	11	0.28
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD12	11	0.28
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD13	11	0.28
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD21	11	0.28
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD22	11	0.28
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD23	11	0.28
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	2	0.28
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	20	0.28
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	12	0.28
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	12	0.28
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	12	0.28
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	4	0.28
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	6	0.28
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	7	0.28
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	14	0.28
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	18	0.28
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	5	0.28
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	13	0.28
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	14	0.28
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	11	0.28
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	18	0.28
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	19	0.28
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	9	0.28
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	18	0.28
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	2	0.28
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	2	0.28
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	2	0.28
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	7	0.28
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	11	0.28
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	2	0.28
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	4	0.28
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG2	12	0.28
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG3	12	0.28
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	9	0.28
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	9	0.28
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	9	0.28
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	9	0.28
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	9	0.28
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	9	0.28
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	19	0.28
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	9	0.28
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	10	0.28
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	16	0.28
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	15	0.28
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	9	0.28
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	9	0.28
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	9	0.28
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	9	0.28
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	9	0.28
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	9	0.28
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	9	0.28
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	9	0.28
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	9	0.28
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	4	0.28
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	4	0.28
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	1	0.28
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	1	0.28
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	1	0.28
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB2	16	0.28
(1,721)	1:33:A:ARG:HA	1:36:A:ASP:HB3	16	0.28
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE21	14	0.28
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE22	14	0.28
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE21	14	0.28
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE22	14	0.28
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	1	0.28
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	6	0.28
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	6	0.28
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	6	0.28
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	6	0.28
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	6	0.28
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	6	0.28
(1,696)	1:29:A:VAL:H	1:30:A:VAL:H	5	0.28
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	7	0.28
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	14	0.28
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB2	6	0.28
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB3	6	0.28
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	10	0.28
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	10	0.28
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	10	0.28
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	10	0.28
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	10	0.28
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	10	0.28
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	16	0.28
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	16	0.28
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	16	0.28
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	16	0.28
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	16	0.28
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	16	0.28
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	13	0.28
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB1	12	0.27
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB2	12	0.27
(1,1255)	1:148:A:ALA:H	1:148:A:ALA:HB3	12	0.27
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	1	0.27
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	7	0.27
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	8	0.27
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	9	0.27
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	10	0.27
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	12	0.27
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	20	0.27
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	3	0.27
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	3	0.27
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	3	0.27
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	18	0.27
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	18	0.27
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	10	0.27
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	10	0.27
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	20	0.27
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	20	0.27
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	16	0.27
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	16	0.27
(1,1225)	1:135:A:LYS:H	1:135:A:LYS:HA	11	0.27
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD2	19	0.27
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD3	19	0.27
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD2	19	0.27
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD3	19	0.27
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	5	0.27
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	10	0.27
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	13	0.27
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	13	0.27
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG12	12	0.27
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG13	12	0.27
(1,1169)	1:127:A:SER:H	1:128:A:ILE:H	12	0.27
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	4	0.27
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	8	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	1	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	1	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	1	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	1	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	1	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	1	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	4	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	4	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	4	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	4	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	4	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	4	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	17	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	17	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	17	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	17	0.27
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	17	0.27
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG11	5	0.27
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG12	5	0.27
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG13	5	0.27
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG21	5	0.27
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG22	5	0.27
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG23	5	0.27
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB2	5	0.27
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB3	5	0.27
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	3	0.27
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG21	16	0.27
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG22	16	0.27
(1,1136)	1:118:A:ASP:H	1:121:A:THR:HG23	16	0.27
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	6	0.27
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	1	0.27
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	1	0.27
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	18	0.27
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	18	0.27
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	16	0.27
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	16	0.27
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	16	0.27
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	16	0.27
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	16	0.27
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	16	0.27
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	18	0.27
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	18	0.27
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	18	0.27
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	18	0.27
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	18	0.27
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	18	0.27
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	4	0.27
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	19	0.27
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	19	0.27
(1,1099)	1:111:A:LEU:HA	1:116:A:VAL:HB	17	0.27
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	15	0.27
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	15	0.27
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	15	0.27
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	15	0.27
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	15	0.27
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	15	0.27
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD2	5	0.27
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD3	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	5	0.27
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD3	5	0.27
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	18	0.27
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	18	0.27
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	3	0.27
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	16	0.27
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG12	19	0.27
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG13	19	0.27
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	14	0.27
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	3	0.27
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	6	0.27
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	20	0.27
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	20	0.27
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	5	0.27
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	5	0.27
(1,1034)	1:102:A:MET:H	1:102:A:MET:HB2	14	0.27
(1,1034)	1:102:A:MET:H	1:102:A:MET:HB3	14	0.27
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	15	0.27
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB2	1	0.27
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB3	1	0.27
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG2	6	0.27
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG3	6	0.27
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	11	0.27
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	11	0.27
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	10	0.27
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	16	0.27
(1,995)	1:94:A:ASP:HB2	1:95:A:TYR:H	1	0.27
(1,995)	1:94:A:ASP:HB3	1:95:A:TYR:H	1	0.27
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	9	0.27
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	13	0.27
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	13	0.27
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	17	0.27
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	17	0.27
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	18	0.27
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	9	0.27
(1,934)	1:82:A:LYS:H	1:83:A:VAL:H	10	0.27
(1,928)	1:78:A:GLY:HA2	1:79:A:SER:H	6	0.27
(1,928)	1:78:A:GLY:HA3	1:79:A:SER:H	6	0.27
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD11	1	0.27
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD12	1	0.27
(1,896)	1:67:A:GLU:H	1:71:A:ILE:HD13	1	0.27
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	2	0.27
(1,888)	1:65:A:TYR:H	1:65:A:TYR:HD2	19	0.27
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	6	0.27
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	3	0.27
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	7	0.27
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	16	0.27
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	1	0.27
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	1	0.27
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	2	0.27
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	2	0.27
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	2	0.27
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG21	15	0.27
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG22	15	0.27
(1,862)	1:61:A:ILE:H	1:61:A:ILE:HG23	15	0.27
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	20	0.27
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE3	20	0.27
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE2	20	0.27
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE3	20	0.27
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	11	0.27
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	11	0.27
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	12	0.27
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	12	0.27
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	3	0.27
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	3	0.27
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	3	0.27
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	8	0.27
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	13	0.27
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG11	7	0.27
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG12	7	0.27
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG13	7	0.27
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG21	7	0.27
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG22	7	0.27
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG23	7	0.27
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	2	0.27
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	6	0.27
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	6	0.27
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	9	0.27
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	9	0.27
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	6	0.27
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	7	0.27
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	9	0.27
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	13	0.27
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	7	0.27
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	5	0.27
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	1	0.27
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	1	0.27
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	1	0.27
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	9	0.27
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	9	0.27
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	9	0.27
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	16	0.27
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	16	0.27
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	16	0.27
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	17	0.27
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	15	0.27
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	3	0.27
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	7	0.27
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	18	0.27
(1,780)	1:46:A:ASP:H	1:47:A:ILE:H	6	0.27
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	11	0.27
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	11	0.27
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	11	0.27
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	11	0.27
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	11	0.27
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	11	0.27
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	3	0.27
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	8	0.27
(1,763)	1:40:A:GLN:H	1:40:A:GLN:HA	19	0.27
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	8	0.27
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	8	0.27
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	8	0.27
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	8	0.27
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	8	0.27
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	8	0.27
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	8	0.27
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	8	0.27
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	8	0.27
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	1	0.27
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	1	0.27
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	1	0.27
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG12	2	0.27
(1,727)	1:34:A:ILE:H	1:34:A:ILE:HG13	2	0.27
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	13	0.27
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	19	0.27
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	19	0.27
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	4	0.27
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	4	0.27
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	4	0.27
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	4	0.27
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	2	0.27
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	5	0.27
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	10	0.27
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	12	0.27
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	20	0.27
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	20	0.27
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	20	0.27
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	20	0.27
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	20	0.27
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	20	0.27
(1,693)	1:29:A:VAL:H	1:29:A:VAL:HA	13	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	1	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	1	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	1	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	1	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	1	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	1	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	5	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	5	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	5	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	5	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	5	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	5	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	11	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	11	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	11	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	11	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	11	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	11	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	12	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	12	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	12	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	12	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	12	0.27
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	19	0.27
(1,671)	1:19:A:ALA:H	1:19:A:ALA:HA	1	0.27
(1,667)	1:15:A:GLN:HB2	1:16:A:LEU:H	5	0.27
(1,667)	1:15:A:GLN:HB3	1:16:A:LEU:H	5	0.27
(1,667)	1:15:A:GLN:HB2	1:16:A:LEU:H	5	0.27
(1,667)	1:15:A:GLN:HB3	1:16:A:LEU:H	5	0.27
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	3	0.27
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	3	0.27
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	3	0.27
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	3	0.27
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	3	0.27
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	3	0.27
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	14	0.27
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	14	0.27
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	14	0.27
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	14	0.27
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	14	0.27
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	14	0.27
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	8	0.27
(1,259)	1:65:A:TYR:H	1:66:A:TYR:H	9	0.27
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	1	0.26
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	1	0.26
(1,1247)	1:141:A:ASN:HB2	1:142:A:LEU:H	1	0.26
(1,1247)	1:141:A:ASN:HB3	1:142:A:LEU:H	1	0.26
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	8	0.26
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	8	0.26
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD2	9	0.26
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD3	9	0.26
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD2	9	0.26
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD3	9	0.26
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	7	0.26
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	15	0.26
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	4	0.26
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	9	0.26
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG12	11	0.26
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG13	11	0.26
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	19	0.26
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	19	0.26
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	19	0.26
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	15	0.26
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	15	0.26
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG12	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG13	14	0.26
(1,1167)	1:126:A:SER:H	1:127:A:SER:H	20	0.26
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	6	0.26
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	12	0.26
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG11	11	0.26
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG12	11	0.26
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG13	11	0.26
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG21	11	0.26
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG22	11	0.26
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG23	11	0.26
(1,1149)	1:121:A:THR:H	1:121:A:THR:HG1	2	0.26
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	5	0.26
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	17	0.26
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	20	0.26
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	19	0.26
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	19	0.26
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	19	0.26
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	19	0.26
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	8	0.26
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	19	0.26
(1,1124)	1:116:A:VAL:H	1:117:A:CYS:H	18	0.26
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	10	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	4	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	4	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	4	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	4	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	4	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	4	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	12	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	12	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	12	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	12	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	12	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	12	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	19	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	19	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	19	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	19	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	19	0.26
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	19	0.26
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	12	0.26
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	12	0.26
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	12	0.26
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	12	0.26
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	12	0.26
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	14	0.26
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	14	0.26
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	14	0.26
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	14	0.26
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	14	0.26
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	14	0.26
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	5	0.26
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD2	15	0.26
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD3	15	0.26
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	15	0.26
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD3	15	0.26
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	7	0.26
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	7	0.26
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	7	0.26
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	7	0.26
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	7	0.26
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	7	0.26
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	7	0.26
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	7	0.26
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	7	0.26
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	19	0.26
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	19	0.26
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	19	0.26
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	19	0.26
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	19	0.26
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	19	0.26
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	19	0.26
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	19	0.26
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	19	0.26
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	13	0.26
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	20	0.26
(1,1057)	1:105:A:TRP:H	1:106:A:GLU:H	5	0.26
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	5	0.26
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	14	0.26
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	6	0.26
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	6	0.26
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB2	14	0.26
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB3	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:98:A:GLN:HB2	1:99:A:ASN:H	12	0.26
(1,1023)	1:98:A:GLN:HB3	1:99:A:ASN:H	12	0.26
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	9	0.26
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	9	0.26
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	9	0.26
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	9	0.26
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	9	0.26
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	9	0.26
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	6	0.26
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	6	0.26
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	13	0.26
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	13	0.26
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	5	0.26
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	5	0.26
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	5	0.26
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	5	0.26
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	5	0.26
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	5	0.26
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	5	0.26
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	5	0.26
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	5	0.26
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG21	4	0.26
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG22	4	0.26
(1,989)	1:92:A:ILE:HA	1:107:A:ILE:HG23	4	0.26
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	5	0.26
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	5	0.26
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	12	0.26
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	19	0.26
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	9	0.26
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	9	0.26
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	9	0.26
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	9	0.26
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	3	0.26
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	3	0.26
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	4	0.26
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	6	0.26
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	6	0.26
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG11	2	0.26
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG12	2	0.26
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG13	2	0.26
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG21	2	0.26
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG22	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,920)	1:75:A:VAL:H	1:75:A:VAL:HG23	2	0.26
(1,894)	1:66:A:TYR:HA	1:67:A:GLU:H	17	0.26
(1,879)	1:64:A:ARG:H	1:65:A:TYR:H	9	0.26
(1,879)	1:64:A:ARG:H	1:65:A:TYR:H	16	0.26
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	5	0.26
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	1	0.26
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	17	0.26
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	4	0.26
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	4	0.26
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	17	0.26
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	17	0.26
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	3	0.26
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	3	0.26
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	3	0.26
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	8	0.26
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	10	0.26
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	15	0.26
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	14	0.26
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	9	0.26
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	14	0.26
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	15	0.26
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	17	0.26
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	5	0.26
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	15	0.26
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	1	0.26
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	15	0.26
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	6	0.26
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	4	0.26
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	4	0.26
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	4	0.26
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	17	0.26
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	17	0.26
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	17	0.26
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	3	0.26
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	1	0.26
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	1	0.26
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	10	0.26
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	3	0.26
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	13	0.26
(1,765)	1:40:A:GLN:H	1:41:A:GLY:H	11	0.26
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	12	0.26
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	12	0.26
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	12	0.26
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	12	0.26
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	12	0.26
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	12	0.26
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	12	0.26
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	12	0.26
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	17	0.26
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	17	0.26
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	17	0.26
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	17	0.26
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	17	0.26
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	17	0.26
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	17	0.26
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	17	0.26
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	17	0.26
(1,732)	1:34:A:ILE:HB	1:35:A:VAL:H	11	0.26
(1,707)	1:31:A:ARG:H	1:32:A:GLN:H	6	0.26
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	16	0.26
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	20	0.26
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	20	0.26
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	20	0.26
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	20	0.26
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	20	0.26
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	20	0.26
(1,696)	1:29:A:VAL:H	1:30:A:VAL:H	4	0.26
(1,694)	1:29:A:VAL:H	1:29:A:VAL:HB	1	0.26
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	11	0.26
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG11	1	0.26
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG12	1	0.26
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG13	1	0.26
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG21	1	0.26
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG22	1	0.26
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG23	1	0.26
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	20	0.26
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	20	0.26
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	2	0.26
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	2	0.26
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	2	0.26
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	2	0.26
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	2	0.26
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	15	0.26
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	15	0.26
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	15	0.26
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	15	0.26
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	15	0.26
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	15	0.26
(1,1253)	1:146:A:SER:HA	1:147:A:GLY:H	5	0.25
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	4	0.25
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	4	0.25
(1,1220)	1:134:A:THR:H	1:134:A:THR:HG1	18	0.25
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD2	18	0.25
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD3	18	0.25
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD2	18	0.25
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD3	18	0.25
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	17	0.25
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	17	0.25
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	20	0.25
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	14	0.25
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	20	0.25
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG12	9	0.25
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG13	9	0.25
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG12	12	0.25
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG13	12	0.25
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD2	14	0.25
(1,1200)	1:130:A:ARG:HA	1:130:A:ARG:HD3	14	0.25
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	14	0.25
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	14	0.25
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	14	0.25
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	11	0.25
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	11	0.25
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	13	0.25
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	13	0.25
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	13	0.25
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	2	0.25
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	2	0.25
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	2	0.25
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	2	0.25
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	2	0.25
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	2	0.25
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	1	0.25
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	4	0.25
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	7	0.25
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	7	0.25
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	7	0.25
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	7	0.25
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	2	0.25
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	16	0.25
(1,1126)	1:116:A:VAL:HB	1:117:A:CYS:H	1	0.25
(1,1124)	1:116:A:VAL:H	1:117:A:CYS:H	7	0.25
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	1	0.25
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	9	0.25
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	19	0.25
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	3	0.25
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	3	0.25
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	3	0.25
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	1	0.25
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	1	0.25
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	1	0.25
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	1	0.25
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	1	0.25
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	1	0.25
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	2	0.25
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	2	0.25
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	2	0.25
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	2	0.25
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	2	0.25
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	2	0.25
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	3	0.25
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	7	0.25
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD11	13	0.25
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD12	13	0.25
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD13	13	0.25
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD21	13	0.25
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD22	13	0.25
(1,1097)	1:111:A:LEU:HA	1:111:A:LEU:HD23	13	0.25
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	3	0.25
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	3	0.25
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	20	0.25
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	20	0.25
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	8	0.25
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	20	0.25
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	20	0.25
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	20	0.25
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	20	0.25
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	20	0.25
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	20	0.25
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	16	0.25
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	16	0.25
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	18	0.25
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG12	8	0.25
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG13	8	0.25
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG12	12	0.25
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG13	12	0.25
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	11	0.25
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	7	0.25
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	8	0.25
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	12	0.25
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	1	0.25
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	1	0.25
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	1	0.25
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	1	0.25
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	1	0.25
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	1	0.25
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	1	0.25
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	1	0.25
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	1	0.25
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	12	0.25
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	12	0.25
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	1	0.25
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	12	0.25
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	12	0.25
(1,1002)	1:95:A:TYR:HA	1:96:A:LYS:H	2	0.25
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	4	0.25
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	4	0.25
(1,995)	1:94:A:ASP:HB2	1:95:A:TYR:H	3	0.25
(1,995)	1:94:A:ASP:HB3	1:95:A:TYR:H	3	0.25
(1,995)	1:94:A:ASP:HB2	1:95:A:TYR:H	18	0.25
(1,995)	1:94:A:ASP:HB3	1:95:A:TYR:H	18	0.25
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	13	0.25
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	5	0.25
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	5	0.25
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	5	0.25
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	5	0.25
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	13	0.25
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	13	0.25
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	13	0.25
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	18	0.25
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	18	0.25
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	18	0.25
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	18	0.25
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	10	0.25
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	13	0.25
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	4	0.25
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	4	0.25
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	4	0.25
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	4	0.25
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	4	0.25
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	4	0.25
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	18	0.25
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	18	0.25
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	18	0.25
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	18	0.25
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	18	0.25
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	18	0.25
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD2	8	0.25
(1,935)	1:82:A:LYS:HA	1:82:A:LYS:HD3	8	0.25
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	13	0.25
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	13	0.25
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	13	0.25
(1,923)	1:76:A:ILE:H	1:76:A:ILE:HG12	5	0.25
(1,923)	1:76:A:ILE:H	1:76:A:ILE:HG13	5	0.25
(1,923)	1:76:A:ILE:H	1:76:A:ILE:HG12	5	0.25
(1,923)	1:76:A:ILE:H	1:76:A:ILE:HG13	5	0.25
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG12	18	0.25
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG13	18	0.25
(1,890)	1:65:A:TYR:H	1:66:A:TYR:H	10	0.25
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	16	0.25
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	16	0.25
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	16	0.25
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	16	0.25
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	1	0.25
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	1	0.25
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	19	0.25
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	19	0.25
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD11	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD12	8	0.25
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD13	8	0.25
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD21	8	0.25
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD22	8	0.25
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD23	8	0.25
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	2	0.25
(1,863)	1:61:A:ILE:H	1:62:A:LEU:H	18	0.25
(1,861)	1:61:A:ILE:H	1:61:A:ILE:HG12	1	0.25
(1,861)	1:61:A:ILE:H	1:61:A:ILE:HG13	1	0.25
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	8	0.25
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	8	0.25
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	18	0.25
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	18	0.25
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	6	0.25
(1,843)	1:58:A:VAL:H	1:59:A:SER:H	9	0.25
(1,837)	1:57:A:CYS:H	1:58:A:VAL:H	11	0.25
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	8	0.25
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	8	0.25
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	17	0.25
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	17	0.25
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	9	0.25
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	6	0.25
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG11	10	0.25
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG12	10	0.25
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG13	10	0.25
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG21	10	0.25
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG22	10	0.25
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG23	10	0.25
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	16	0.25
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	11	0.25
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	15	0.25
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	11	0.25
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	15	0.25
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	17	0.25
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	1	0.25
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	5	0.25
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	10	0.25
(1,799)	1:48:A:SER:HA	1:53:A:VAL:H	16	0.25
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	8	0.25
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	8	0.25
(1,797)	1:48:A:SER:H	1:48:A:SER:HB2	12	0.25
(1,797)	1:48:A:SER:H	1:48:A:SER:HB3	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	13	0.25
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	20	0.25
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	10	0.25
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	11	0.25
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	7	0.25
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	7	0.25
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	7	0.25
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	14	0.25
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	2	0.25
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	3	0.25
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	12	0.25
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	4	0.25
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	9	0.25
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	14	0.25
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	16	0.25
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	9	0.25
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	20	0.25
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	17	0.25
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	3	0.25
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	3	0.25
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	3	0.25
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	3	0.25
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	3	0.25
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	3	0.25
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	3	0.25
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	3	0.25
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	3	0.25
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	1	0.25
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	1	0.25
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	19	0.25
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	19	0.25
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	19	0.25
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	19	0.25
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE21	6	0.25
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE22	6	0.25
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE21	6	0.25
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE22	6	0.25
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	6	0.25
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	19	0.25
(1,696)	1:29:A:VAL:H	1:30:A:VAL:H	1	0.25
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	10	0.25
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	10	0.25
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	10	0.25
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	10	0.25
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	10	0.25
(1,694)	1:29:A:VAL:H	1:29:A:VAL:HB	14	0.25
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	3	0.25
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	3	0.25
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	3	0.25
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	3	0.25
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	3	0.25
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	3	0.25
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	6	0.25
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	6	0.25
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB2	17	0.25
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB3	17	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG11	18	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG12	18	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG13	18	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG21	18	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG22	18	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG23	18	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG11	20	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG12	20	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG13	20	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG21	20	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG22	20	0.25
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG23	20	0.25
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	17	0.25
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	17	0.25
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	11	0.25
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	11	0.25
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	11	0.25
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	11	0.25
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	11	0.25
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	11	0.25
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	19	0.25
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	19	0.25
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	19	0.25
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	19	0.25
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	19	0.25
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	19	0.25
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	11	0.25
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	3	0.25
(1,441)	1:105:A:TRP:H	1:105:A:TRP:HD1	13	0.25
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	11	0.24
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	17	0.24
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	5	0.24
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	5	0.24
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	5	0.24
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	5	0.24
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	5	0.24
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	5	0.24
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG2	15	0.24
(1,1241)	1:138:A:GLN:H	1:138:A:GLN:HG3	15	0.24
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	16	0.24
(1,1220)	1:134:A:THR:H	1:134:A:THR:HG1	16	0.24
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD2	6	0.24
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD3	6	0.24
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD2	6	0.24
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD3	6	0.24
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	2	0.24
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	3	0.24
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG12	6	0.24
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG13	6	0.24
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	13	0.24
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	13	0.24
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	13	0.24
(1,1171)	1:127:A:SER:HB2	1:128:A:ILE:H	12	0.24
(1,1171)	1:127:A:SER:HB3	1:128:A:ILE:H	12	0.24
(1,1169)	1:127:A:SER:H	1:128:A:ILE:H	11	0.24
(1,1167)	1:126:A:SER:H	1:127:A:SER:H	3	0.24
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	3	0.24
(1,1149)	1:121:A:THR:H	1:121:A:THR:HG1	16	0.24
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	2	0.24
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	4	0.24
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	4	0.24
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	4	0.24
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	4	0.24
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	15	0.24
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	10	0.24
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	10	0.24
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	10	0.24
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	10	0.24
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	10	0.24
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	13	0.24
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	13	0.24
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	13	0.24
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	13	0.24
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	13	0.24
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	13	0.24
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	1	0.24
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	15	0.24
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	8	0.24
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	8	0.24
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	4	0.24
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	4	0.24
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	19	0.24
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	19	0.24
(1,1078)	1:108:A:ARG:H	1:109:A:ASP:H	15	0.24
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD2	12	0.24
(1,1076)	1:108:A:ARG:H	1:108:A:ARG:HD3	12	0.24
(1,1074)	1:108:A:ARG:H	1:108:A:ARG:HA	5	0.24
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	2	0.24
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	2	0.24
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	2	0.24
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	2	0.24
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	2	0.24
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	2	0.24
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	2	0.24
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	2	0.24
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	2	0.24
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	14	0.24
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	14	0.24
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	14	0.24
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	14	0.24
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	14	0.24
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	14	0.24
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	14	0.24
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	14	0.24
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	14	0.24
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	2	0.24
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	7	0.24
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	11	0.24
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1057)	1:105:A:TRP:H	1:106:A:GLU:H	3	0.24
(1,1057)	1:105:A:TRP:H	1:106:A:GLU:H	16	0.24
(1,1052)	1:105:A:TRP:H	1:105:A:TRP:HA	15	0.24
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	6	0.24
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	8	0.24
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	8	0.24
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	5	0.24
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	5	0.24
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG2	6	0.24
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG3	6	0.24
(1,995)	1:94:A:ASP:HB2	1:95:A:TYR:H	10	0.24
(1,995)	1:94:A:ASP:HB3	1:95:A:TYR:H	10	0.24
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	15	0.24
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	15	0.24
(1,973)	1:90:A:GLU:HB2	1:91:A:LYS:H	5	0.24
(1,973)	1:90:A:GLU:HB3	1:91:A:LYS:H	5	0.24
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	7	0.24
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	7	0.24
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	7	0.24
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	7	0.24
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	11	0.24
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	11	0.24
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	11	0.24
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	11	0.24
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	15	0.24
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	15	0.24
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	15	0.24
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	15	0.24
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	13	0.24
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	13	0.24
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	13	0.24
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	13	0.24
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	13	0.24
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	13	0.24
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	16	0.24
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	16	0.24
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	16	0.24
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	16	0.24
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	16	0.24
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	16	0.24
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	13	0.24
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	20	0.24
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG2	10	0.24
(1,951)	1:87:A:LYS:H	1:87:A:LYS:HG3	10	0.24
(1,923)	1:76:A:ILE:H	1:76:A:ILE:HG12	16	0.24
(1,923)	1:76:A:ILE:H	1:76:A:ILE:HG13	16	0.24
(1,923)	1:76:A:ILE:H	1:76:A:ILE:HG12	16	0.24
(1,923)	1:76:A:ILE:H	1:76:A:ILE:HG13	16	0.24
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	3	0.24
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	10	0.24
(1,894)	1:66:A:TYR:HA	1:67:A:GLU:H	10	0.24
(1,879)	1:64:A:ARG:H	1:65:A:TYR:H	12	0.24
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD11	7	0.24
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD12	7	0.24
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD13	7	0.24
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD21	7	0.24
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD22	7	0.24
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD23	7	0.24
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD11	17	0.24
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD12	17	0.24
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD13	17	0.24
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD21	17	0.24
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD22	17	0.24
(1,871)	1:62:A:LEU:H	1:62:A:LEU:HD23	17	0.24
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	18	0.24
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	18	0.24
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	18	0.24
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	19	0.24
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	19	0.24
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	11	0.24
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE3	11	0.24
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE2	11	0.24
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE3	11	0.24
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	16	0.24
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE3	16	0.24
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE2	16	0.24
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE3	16	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG11	3	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG12	3	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG13	3	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG21	3	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG22	3	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG23	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG11	9	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG12	9	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG13	9	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG21	9	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG22	9	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG23	9	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG11	14	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG12	14	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG13	14	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG21	14	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG22	14	0.24
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG23	14	0.24
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	3	0.24
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	10	0.24
(1,837)	1:57:A:CYS:H	1:58:A:VAL:H	16	0.24
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	1	0.24
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	7	0.24
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	20	0.24
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	18	0.24
(1,803)	1:49:A:ARG:H	1:49:A:ARG:HG2	19	0.24
(1,803)	1:49:A:ARG:H	1:49:A:ARG:HG3	19	0.24
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	2	0.24
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	6	0.24
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	5	0.24
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	12	0.24
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	14	0.24
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	17	0.24
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	19	0.24
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	20	0.24
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	20	0.24
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	20	0.24
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	9	0.24
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	18	0.24
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	5	0.24
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	17	0.24
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	16	0.24
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	2	0.24
(1,716)	1:33:A:ARG:H	1:33:A:ARG:HG2	8	0.24
(1,716)	1:33:A:ARG:H	1:33:A:ARG:HG3	8	0.24
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG11	8	0.24
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG12	8	0.24
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG13	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG21	8	0.24
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG22	8	0.24
(1,701)	1:30:A:VAL:H	1:30:A:VAL:HG23	8	0.24
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	11	0.24
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	11	0.24
(1,691)	1:27:A:PRO:HA	1:28:A:GLU:H	13	0.24
(1,691)	1:27:A:PRO:HA	1:28:A:GLU:H	18	0.24
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	9	0.24
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	9	0.24
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	9	0.24
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	9	0.24
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	9	0.24
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	9	0.24
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	18	0.24
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	13	0.24
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	9	0.24
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	9	0.24
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	9	0.24
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	9	0.24
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	9	0.24
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	9	0.24
(1,441)	1:105:A:TRP:H	1:105:A:TRP:HD1	4	0.24
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	3	0.23
(1,1253)	1:146:A:SER:HA	1:147:A:GLY:H	18	0.23
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	4	0.23
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	4	0.23
(1,1220)	1:134:A:THR:H	1:134:A:THR:HG1	13	0.23
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD2	4	0.23
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD3	4	0.23
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD2	4	0.23
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD3	4	0.23
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	18	0.23
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	12	0.23
(1,1178)	1:128:A:ILE:H	1:129:A:ASN:H	1	0.23
(1,1178)	1:128:A:ILE:H	1:129:A:ASN:H	7	0.23
(1,1178)	1:128:A:ILE:H	1:129:A:ASN:H	15	0.23
(1,1169)	1:127:A:SER:H	1:128:A:ILE:H	4	0.23
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	7	0.23
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	10	0.23
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	20	0.23
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	5	0.23
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	5	0.23
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	5	0.23
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	5	0.23
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	5	0.23
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	16	0.23
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	16	0.23
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	16	0.23
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	16	0.23
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	16	0.23
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	16	0.23
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	7	0.23
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB2	13	0.23
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB3	13	0.23
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	18	0.23
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	18	0.23
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	18	0.23
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	18	0.23
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	1	0.23
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	14	0.23
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	20	0.23
(1,1121)	1:115:A:GLY:HA2	1:116:A:VAL:H	2	0.23
(1,1121)	1:115:A:GLY:HA3	1:116:A:VAL:H	2	0.23
(1,1121)	1:115:A:GLY:HA2	1:116:A:VAL:H	6	0.23
(1,1121)	1:115:A:GLY:HA3	1:116:A:VAL:H	6	0.23
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	7	0.23
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	7	0.23
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	15	0.23
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	15	0.23
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	8	0.23
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	10	0.23
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	3	0.23
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD11	7	0.23
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD12	7	0.23
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD13	7	0.23
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD21	7	0.23
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD22	7	0.23
(1,1095)	1:111:A:LEU:H	1:111:A:LEU:HD23	7	0.23
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	12	0.23
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	12	0.23
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG12	20	0.23
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG13	20	0.23
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	19	0.23
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB2	18	0.23
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB3	18	0.23
(1,1049)	1:104:A:ALA:HB1	1:105:A:TRP:H	13	0.23
(1,1049)	1:104:A:ALA:HB2	1:105:A:TRP:H	13	0.23
(1,1049)	1:104:A:ALA:HB3	1:105:A:TRP:H	13	0.23
(1,1046)	1:104:A:ALA:HA	1:107:A:ILE:HB	2	0.23
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	6	0.23
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	6	0.23
(1,1035)	1:102:A:MET:H	1:102:A:MET:HG2	2	0.23
(1,1035)	1:102:A:MET:H	1:102:A:MET:HG3	2	0.23
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	4	0.23
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	9	0.23
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	9	0.23
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	15	0.23
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	15	0.23
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	18	0.23
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	20	0.23
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	17	0.23
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	1	0.23
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	1	0.23
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	1	0.23
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	1	0.23
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	17	0.23
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	17	0.23
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	17	0.23
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	17	0.23
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	7	0.23
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	7	0.23
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	7	0.23
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	7	0.23
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	7	0.23
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	7	0.23
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	10	0.23
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	10	0.23
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	10	0.23
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	10	0.23
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	10	0.23
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	10	0.23
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	7	0.23
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	17	0.23
(1,944)	1:85:A:THR:H	1:85:A:THR:HG21	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,944)	1:85:A:THR:H	1:85:A:THR:HG22	4	0.23
(1,944)	1:85:A:THR:H	1:85:A:THR:HG23	4	0.23
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG12	20	0.23
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG13	20	0.23
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG2	3	0.23
(1,895)	1:67:A:GLU:H	1:67:A:GLU:HG3	3	0.23
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	7	0.23
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	7	0.23
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	7	0.23
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	7	0.23
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	18	0.23
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	18	0.23
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	18	0.23
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	18	0.23
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	13	0.23
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	16	0.23
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	16	0.23
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	16	0.23
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD11	16	0.23
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD12	16	0.23
(1,864)	1:61:A:ILE:HA	1:61:A:ILE:HD13	16	0.23
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	11	0.23
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	11	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG11	18	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG12	18	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG13	18	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG21	18	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG22	18	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG23	18	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG11	20	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG12	20	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG13	20	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG21	20	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG22	20	0.23
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG23	20	0.23
(1,839)	1:57:A:CYS:HB2	1:58:A:VAL:H	14	0.23
(1,839)	1:57:A:CYS:HB3	1:58:A:VAL:H	14	0.23
(1,839)	1:57:A:CYS:HB2	1:58:A:VAL:H	14	0.23
(1,839)	1:57:A:CYS:HB3	1:58:A:VAL:H	14	0.23
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	20	0.23
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	3	0.23
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG11	5	0.23
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG12	5	0.23
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG13	5	0.23
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG21	5	0.23
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG22	5	0.23
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG23	5	0.23
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	4	0.23
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	19	0.23
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	12	0.23
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	4	0.23
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	13	0.23
(1,801)	1:48:A:SER:HB2	1:49:A:ARG:H	6	0.23
(1,801)	1:48:A:SER:HB3	1:49:A:ARG:H	6	0.23
(1,801)	1:48:A:SER:HB2	1:49:A:ARG:H	9	0.23
(1,801)	1:48:A:SER:HB3	1:49:A:ARG:H	9	0.23
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	5	0.23
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	5	0.23
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	5	0.23
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	5	0.23
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	5	0.23
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	5	0.23
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	3	0.23
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	12	0.23
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	12	0.23
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	12	0.23
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	2	0.23
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	9	0.23
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	5	0.23
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	11	0.23
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	15	0.23
(1,778)	1:46:A:ASP:H	1:46:A:ASP:HA	17	0.23
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	11	0.23
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	11	0.23
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	11	0.23
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	11	0.23
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	11	0.23
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	11	0.23
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	13	0.23
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	13	0.23
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	13	0.23
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	19	0.23
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	4	0.23
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	4	0.23
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	4	0.23
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	4	0.23
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	4	0.23
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	4	0.23
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	4	0.23
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	4	0.23
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	13	0.23
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	13	0.23
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	13	0.23
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	13	0.23
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	13	0.23
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	13	0.23
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	13	0.23
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	13	0.23
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	13	0.23
(1,732)	1:34:A:ILE:HB	1:35:A:VAL:H	13	0.23
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	4	0.23
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	4	0.23
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	4	0.23
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	13	0.23
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	13	0.23
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	13	0.23
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	14	0.23
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	14	0.23
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	14	0.23
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	15	0.23
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	15	0.23
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	15	0.23
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	16	0.23
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	16	0.23
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	16	0.23
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	14	0.23
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	14	0.23
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	14	0.23
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	14	0.23
(1,712)	1:32:A:GLN:H	1:33:A:ARG:H	8	0.23
(1,712)	1:32:A:GLN:H	1:33:A:ARG:H	9	0.23
(1,710)	1:31:A:ARG:HB2	1:32:A:GLN:H	8	0.23
(1,710)	1:31:A:ARG:HB3	1:32:A:GLN:H	8	0.23
(1,707)	1:31:A:ARG:H	1:32:A:GLN:H	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	9	0.23
(1,696)	1:29:A:VAL:H	1:30:A:VAL:H	7	0.23
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	16	0.23
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	16	0.23
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	16	0.23
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	16	0.23
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	16	0.23
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	16	0.23
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	6	0.23
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	6	0.23
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	14	0.23
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	14	0.23
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	14	0.23
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	14	0.23
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	14	0.23
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	14	0.23
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	19	0.23
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	19	0.23
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG11	11	0.23
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG12	11	0.23
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG13	11	0.23
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG21	11	0.23
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG22	11	0.23
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG23	11	0.23
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	17	0.23
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	4	0.23
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	4	0.23
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	4	0.23
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	4	0.23
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	4	0.23
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	4	0.23
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	20	0.23
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	20	0.23
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	20	0.23
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	20	0.23
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	20	0.23
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	20	0.23
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD11	13	0.23
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD12	13	0.23
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD13	13	0.23
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD21	13	0.23
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD22	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,661)	1:13:A:LEU:H	1:13:A:LEU:HD23	13	0.23
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	19	0.23
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	19	0.23
(1,441)	1:105:A:TRP:H	1:105:A:TRP:HD1	18	0.23
(1,294)	1:74:A:GLY:H	1:75:A:VAL:H	19	0.23
(1,111)	1:37:A:LEU:HA	1:40:A:GLN:H	12	0.23
(1,30)	1:21:A:VAL:H	1:21:A:VAL:HB	12	0.23
(1,30)	1:21:A:VAL:H	1:21:A:VAL:HB	20	0.23
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	7	0.22
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	7	0.22
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	9	0.22
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	9	0.22
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	12	0.22
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	12	0.22
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	18	0.22
(1,1220)	1:134:A:THR:H	1:134:A:THR:HG1	20	0.22
(1,1213)	1:132:A:ILE:H	1:133:A:ARG:H	4	0.22
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	17	0.22
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	3	0.22
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	13	0.22
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	2	0.22
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	2	0.22
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	2	0.22
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	2	0.22
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	2	0.22
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	2	0.22
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	2	0.22
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	2	0.22
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	2	0.22
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	6	0.22
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	6	0.22
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	6	0.22
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	6	0.22
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	6	0.22
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	6	0.22
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	6	0.22
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	6	0.22
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	6	0.22
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	9	0.22
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	9	0.22
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	9	0.22
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	17	0.22
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	17	0.22
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	17	0.22
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	17	0.22
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	17	0.22
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD11	14	0.22
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD12	14	0.22
(1,1163)	1:125:A:VAL:HA	1:128:A:ILE:HD13	14	0.22
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	18	0.22
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	18	0.22
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	18	0.22
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	18	0.22
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	18	0.22
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	18	0.22
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	16	0.22
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	5	0.22
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	6	0.22
(1,1126)	1:116:A:VAL:HB	1:117:A:CYS:H	14	0.22
(1,1124)	1:116:A:VAL:H	1:117:A:CYS:H	9	0.22
(1,1121)	1:115:A:GLY:HA2	1:116:A:VAL:H	20	0.22
(1,1121)	1:115:A:GLY:HA3	1:116:A:VAL:H	20	0.22
(1,1117)	1:114:A:GLU:H	1:115:A:GLY:H	6	0.22
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	16	0.22
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	16	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	6	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	6	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	6	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	6	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	6	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	6	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	14	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	14	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	14	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	14	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	14	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	14	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	17	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	17	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	17	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	17	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	17	0.22
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	5	0.22
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	7	0.22
(1,1094)	1:111:A:LEU:H	1:111:A:LEU:HG	7	0.22
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	6	0.22
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	6	0.22
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	9	0.22
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	9	0.22
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	16	0.22
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	1	0.22
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD2	17	0.22
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD3	17	0.22
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	17	0.22
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD3	17	0.22
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	5	0.22
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	5	0.22
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG12	11	0.22
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG13	11	0.22
(1,1054)	1:105:A:TRP:H	1:105:A:TRP:HD1	14	0.22
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	2	0.22
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	2	0.22
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	12	0.22
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	12	0.22
(1,1035)	1:102:A:MET:H	1:102:A:MET:HG2	13	0.22
(1,1035)	1:102:A:MET:H	1:102:A:MET:HG3	13	0.22
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB2	11	0.22
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB3	11	0.22
(1,1023)	1:98:A:GLN:HB2	1:99:A:ASN:H	5	0.22
(1,1023)	1:98:A:GLN:HB3	1:99:A:ASN:H	5	0.22
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG2	18	0.22
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG3	18	0.22
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	16	0.22
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	16	0.22
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG2	11	0.22
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG3	11	0.22
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	9	0.22
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	4	0.22
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	4	0.22
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	11	0.22
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	11	0.22
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	14	0.22
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	2	0.22
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	18	0.22
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	18	0.22
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	3	0.22
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	16	0.22
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	2	0.22
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	8	0.22
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	15	0.22
(1,968)	1:89:A:VAL:HG11	1:90:A:GLU:H	6	0.22
(1,968)	1:89:A:VAL:HG12	1:90:A:GLU:H	6	0.22
(1,968)	1:89:A:VAL:HG13	1:90:A:GLU:H	6	0.22
(1,968)	1:89:A:VAL:HG21	1:90:A:GLU:H	6	0.22
(1,968)	1:89:A:VAL:HG22	1:90:A:GLU:H	6	0.22
(1,968)	1:89:A:VAL:HG23	1:90:A:GLU:H	6	0.22
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	1	0.22
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	1	0.22
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	1	0.22
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	1	0.22
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	1	0.22
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	1	0.22
(1,961)	1:88:A:VAL:HA	1:91:A:LYS:H	16	0.22
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	15	0.22
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	10	0.22
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	18	0.22
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB2	19	0.22
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB3	19	0.22
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	14	0.22
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	14	0.22
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	14	0.22
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	14	0.22
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	2	0.22
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	2	0.22
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	2	0.22
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	2	0.22
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD11	1	0.22
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD12	1	0.22
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD13	1	0.22
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD21	1	0.22
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD22	1	0.22
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD23	1	0.22
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD11	10	0.22
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD12	10	0.22
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD13	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD21	10	0.22
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD22	10	0.22
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD23	10	0.22
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	18	0.22
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	10	0.22
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	19	0.22
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	17	0.22
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	17	0.22
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	17	0.22
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	15	0.22
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE3	15	0.22
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE2	15	0.22
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE3	15	0.22
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	18	0.22
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE3	18	0.22
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE2	18	0.22
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE3	18	0.22
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	5	0.22
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	5	0.22
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	4	0.22
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	4	0.22
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	17	0.22
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	17	0.22
(1,845)	1:58:A:VAL:HA	1:61:A:ILE:H	9	0.22
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	9	0.22
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	11	0.22
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	16	0.22
(1,834)	1:57:A:CYS:H	1:57:A:CYS:HA	19	0.22
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	17	0.22
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	11	0.22
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	11	0.22
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	3	0.22
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	8	0.22
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	16	0.22
(1,801)	1:48:A:SER:HB2	1:49:A:ARG:H	7	0.22
(1,801)	1:48:A:SER:HB3	1:49:A:ARG:H	7	0.22
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	1	0.22
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	7	0.22
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	2	0.22
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	6	0.22
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	7	0.22
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	14	0.22
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	17	0.22
(1,780)	1:46:A:ASP:H	1:47:A:ILE:H	12	0.22
(1,780)	1:46:A:ASP:H	1:47:A:ILE:H	18	0.22
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG2	6	0.22
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG3	6	0.22
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG2	8	0.22
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG3	8	0.22
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG2	9	0.22
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG3	9	0.22
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	2	0.22
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	2	0.22
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	2	0.22
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE21	15	0.22
(1,753)	1:37:A:LEU:HG	1:40:A:GLN:HE22	15	0.22
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	10	0.22
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	3	0.22
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	4	0.22
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	6	0.22
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	13	0.22
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	6	0.22
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	6	0.22
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	6	0.22
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	6	0.22
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	6	0.22
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	6	0.22
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	6	0.22
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	6	0.22
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	6	0.22
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	6	0.22
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	6	0.22
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	6	0.22
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	17	0.22
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	17	0.22
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	17	0.22
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	9	0.22
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	9	0.22
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	6	0.22
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	6	0.22
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	6	0.22
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	6	0.22
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE21	9	0.22
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE22	9	0.22
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE21	9	0.22
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE22	9	0.22
(1,707)	1:31:A:ARG:H	1:32:A:GLN:H	5	0.22
(1,707)	1:31:A:ARG:H	1:32:A:GLN:H	14	0.22
(1,705)	1:31:A:ARG:H	1:31:A:ARG:HA	14	0.22
(1,702)	1:30:A:VAL:H	1:31:A:ARG:H	6	0.22
(1,700)	1:30:A:VAL:H	1:30:A:VAL:HB	20	0.22
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	10	0.22
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	10	0.22
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	14	0.22
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	14	0.22
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	8	0.22
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	8	0.22
(1,677)	1:21:A:VAL:H	1:21:A:VAL:HB	6	0.22
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG2	18	0.22
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG3	18	0.22
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	1	0.22
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	1	0.22
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	1	0.22
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	1	0.22
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	1	0.22
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	1	0.22
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	5	0.22
(1,270)	1:68:A:THR:H	1:68:A:THR:HG1	1	0.22
(1,111)	1:37:A:LEU:HA	1:40:A:GLN:H	5	0.22
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	16	0.21
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	19	0.21
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	17	0.21
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	17	0.21
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	9	0.21
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG12	4	0.21
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG13	4	0.21
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	12	0.21
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	12	0.21
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	12	0.21
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	12	0.21
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	12	0.21
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	12	0.21
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	12	0.21
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	12	0.21
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	5	0.21
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	5	0.21
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	5	0.21
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	4	0.21
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	4	0.21
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	10	0.21
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	10	0.21
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG12	13	0.21
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG13	13	0.21
(1,1167)	1:126:A:SER:H	1:127:A:SER:H	10	0.21
(1,1166)	1:126:A:SER:H	1:126:A:SER:HA	12	0.21
(1,1162)	1:125:A:VAL:H	1:126:A:SER:H	8	0.21
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	4	0.21
(1,1155)	1:123:A:PRO:HB2	1:124:A:SER:H	18	0.21
(1,1155)	1:123:A:PRO:HB3	1:124:A:SER:H	18	0.21
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG11	10	0.21
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG12	10	0.21
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG13	10	0.21
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG21	10	0.21
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG22	10	0.21
(1,1154)	1:122:A:VAL:H	1:122:A:VAL:HG23	10	0.21
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	7	0.21
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	7	0.21
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	7	0.21
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	3	0.21
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	3	0.21
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	3	0.21
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	3	0.21
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	10	0.21
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	10	0.21
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	10	0.21
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	10	0.21
(1,1141)	1:119:A:ASN:H	1:120:A:ASP:H	12	0.21
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB2	3	0.21
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB3	3	0.21
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	14	0.21
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	12	0.21
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	17	0.21
(1,1126)	1:116:A:VAL:HB	1:117:A:CYS:H	7	0.21
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	5	0.21
(1,1119)	1:115:A:GLY:H	1:116:A:VAL:H	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	10	0.21
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD11	9	0.21
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD12	9	0.21
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD13	9	0.21
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD21	9	0.21
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD22	9	0.21
(1,1107)	1:112:A:LEU:HA	1:112:A:LEU:HD23	9	0.21
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	3	0.21
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	3	0.21
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	11	0.21
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	11	0.21
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	1	0.21
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	4	0.21
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	19	0.21
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	11	0.21
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	11	0.21
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	11	0.21
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	11	0.21
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	11	0.21
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	11	0.21
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	11	0.21
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	11	0.21
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	11	0.21
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	20	0.21
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	20	0.21
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	20	0.21
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	20	0.21
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	20	0.21
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	20	0.21
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	20	0.21
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	20	0.21
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	20	0.21
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	17	0.21
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB2	9	0.21
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB3	9	0.21
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB2	13	0.21
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB3	13	0.21
(1,1054)	1:105:A:TRP:H	1:105:A:TRP:HD1	9	0.21
(1,1054)	1:105:A:TRP:H	1:105:A:TRP:HD1	10	0.21
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	19	0.21
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	8	0.21
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1035)	1:102:A:MET:H	1:102:A:MET:HG2	6	0.21
(1,1035)	1:102:A:MET:H	1:102:A:MET:HG3	6	0.21
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	3	0.21
(1,1023)	1:98:A:GLN:HB2	1:99:A:ASN:H	14	0.21
(1,1023)	1:98:A:GLN:HB3	1:99:A:ASN:H	14	0.21
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	14	0.21
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	14	0.21
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	2	0.21
(1,1015)	1:97:A:ARG:H	1:98:A:GLN:H	10	0.21
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD2	17	0.21
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD3	17	0.21
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	5	0.21
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	5	0.21
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	11	0.21
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	20	0.21
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	20	0.21
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	20	0.21
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	20	0.21
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	8	0.21
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	8	0.21
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	8	0.21
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	8	0.21
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	8	0.21
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	8	0.21
(1,964)	1:89:A:VAL:H	1:89:A:VAL:HB	6	0.21
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	4	0.21
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	14	0.21
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	14	0.21
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	14	0.21
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	14	0.21
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	14	0.21
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	14	0.21
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	12	0.21
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	7	0.21
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	7	0.21
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	7	0.21
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	7	0.21
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	7	0.21
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	7	0.21
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG12	16	0.21
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG13	16	0.21
(1,900)	1:68:A:THR:H	1:69:A:GLY:H	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	16	0.21
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	16	0.21
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	10	0.21
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	10	0.21
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	10	0.21
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	10	0.21
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	4	0.21
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	4	0.21
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	15	0.21
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	15	0.21
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	15	0.21
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	15	0.21
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	15	0.21
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	9	0.21
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	9	0.21
(1,861)	1:61:A:ILE:H	1:61:A:ILE:HG12	5	0.21
(1,861)	1:61:A:ILE:H	1:61:A:ILE:HG13	5	0.21
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	18	0.21
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	18	0.21
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG11	1	0.21
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG12	1	0.21
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG13	1	0.21
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG21	1	0.21
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG22	1	0.21
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG23	1	0.21
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG11	19	0.21
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG12	19	0.21
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG13	19	0.21
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG21	19	0.21
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG22	19	0.21
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG23	19	0.21
(1,837)	1:57:A:CYS:H	1:58:A:VAL:H	19	0.21
(1,831)	1:53:A:VAL:HB	1:54:A:SER:H	20	0.21
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	3	0.21
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	18	0.21
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB2	4	0.21
(1,821)	1:52:A:ARG:H	1:52:A:ARG:HB3	4	0.21
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	8	0.21
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	8	0.21
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	8	0.21
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	8	0.21
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	8	0.21
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	12	0.21
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	12	0.21
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	12	0.21
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	12	0.21
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	12	0.21
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	12	0.21
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	16	0.21
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	7	0.21
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	18	0.21
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	12	0.21
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	4	0.21
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	10	0.21
(1,780)	1:46:A:ASP:H	1:47:A:ILE:H	19	0.21
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG2	4	0.21
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG3	4	0.21
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG2	10	0.21
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG3	10	0.21
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	20	0.21
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	1	0.21
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	15	0.21
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	7	0.21
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	7	0.21
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	7	0.21
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	7	0.21
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	7	0.21
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	7	0.21
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	7	0.21
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	7	0.21
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	7	0.21
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	2	0.21
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	2	0.21
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	2	0.21
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	2	0.21
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	3	0.21
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	3	0.21
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	3	0.21
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	3	0.21
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	9	0.21
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE21	18	0.21
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE22	18	0.21
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE21	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE22	18	0.21
(1,707)	1:31:A:ARG:H	1:32:A:GLN:H	1	0.21
(1,707)	1:31:A:ARG:H	1:32:A:GLN:H	19	0.21
(1,702)	1:30:A:VAL:H	1:31:A:ARG:H	20	0.21
(1,691)	1:27:A:PRO:HA	1:28:A:GLU:H	16	0.21
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	20	0.21
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	20	0.21
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	20	0.21
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	20	0.21
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	20	0.21
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	20	0.21
(1,686)	1:25:A:PRO:HA	1:26:A:LEU:H	2	0.21
(1,686)	1:25:A:PRO:HA	1:26:A:LEU:H	18	0.21
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB2	2	0.21
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB3	2	0.21
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB2	16	0.21
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB3	16	0.21
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	9	0.21
(1,619)	1:136:A:VAL:H	1:137:A:GLN:H	1	0.21
(1,441)	1:105:A:TRP:H	1:105:A:TRP:HD1	1	0.21
(1,423)	1:101:A:THR:H	1:101:A:THR:HB	20	0.21
(1,332)	1:83:A:VAL:HB	1:84:A:ALA:H	18	0.21
(1,320)	1:82:A:LYS:H	1:83:A:VAL:H	13	0.21
(1,240)	1:61:A:ILE:HB	1:62:A:LEU:H	15	0.21
(2,55)	1:92:A:ILE:H	1:128:A:ILE:HB	6	0.2
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD2	11	0.2
(1,1231)	1:135:A:LYS:HA	1:135:A:LYS:HD3	11	0.2
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	2	0.2
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	2	0.2
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	8	0.2
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	2	0.2
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG12	15	0.2
(1,1205)	1:131:A:ILE:H	1:131:A:ILE:HG13	15	0.2
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	3	0.2
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	3	0.2
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	3	0.2
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	3	0.2
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	3	0.2
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	3	0.2
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	3	0.2
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	3	0.2
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG12	15	0.2
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG13	15	0.2
(1,1171)	1:127:A:SER:HB2	1:128:A:ILE:H	17	0.2
(1,1171)	1:127:A:SER:HB3	1:128:A:ILE:H	17	0.2
(1,1165)	1:125:A:VAL:HG11	1:126:A:SER:H	6	0.2
(1,1165)	1:125:A:VAL:HG12	1:126:A:SER:H	6	0.2
(1,1165)	1:125:A:VAL:HG13	1:126:A:SER:H	6	0.2
(1,1165)	1:125:A:VAL:HG21	1:126:A:SER:H	6	0.2
(1,1165)	1:125:A:VAL:HG22	1:126:A:SER:H	6	0.2
(1,1165)	1:125:A:VAL:HG23	1:126:A:SER:H	6	0.2
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	13	0.2
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	13	0.2
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	13	0.2
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	13	0.2
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	13	0.2
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	13	0.2
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	7	0.2
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	20	0.2
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	12	0.2
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	12	0.2
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	12	0.2
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	11	0.2
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	13	0.2
(1,1126)	1:116:A:VAL:HB	1:117:A:CYS:H	12	0.2
(1,1121)	1:115:A:GLY:HA2	1:116:A:VAL:H	7	0.2
(1,1121)	1:115:A:GLY:HA3	1:116:A:VAL:H	7	0.2
(1,1112)	1:113:A:ALA:HB1	1:114:A:GLU:H	17	0.2
(1,1112)	1:113:A:ALA:HB2	1:114:A:GLU:H	17	0.2
(1,1112)	1:113:A:ALA:HB3	1:114:A:GLU:H	17	0.2
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	4	0.2
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	12	0.2
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	20	0.2
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	12	0.2
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	4	0.2
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	4	0.2
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	7	0.2
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	7	0.2
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	16	0.2
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	16	0.2
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	11	0.2
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	15	0.2
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	13	0.2
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	4	0.2
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	4	0.2
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	4	0.2
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	4	0.2
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	4	0.2
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	4	0.2
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	17	0.2
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	17	0.2
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	17	0.2
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	17	0.2
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	17	0.2
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	17	0.2
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	17	0.2
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	17	0.2
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	17	0.2
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG12	10	0.2
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG13	10	0.2
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB2	4	0.2
(1,1058)	1:105:A:TRP:HA	1:108:A:ARG:HB3	4	0.2
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	11	0.2
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	11	0.2
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	11	0.2
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	11	0.2
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	11	0.2
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	11	0.2
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	11	0.2
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	11	0.2
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	11	0.2
(1,1049)	1:104:A:ALA:HB1	1:105:A:TRP:H	16	0.2
(1,1049)	1:104:A:ALA:HB2	1:105:A:TRP:H	16	0.2
(1,1049)	1:104:A:ALA:HB3	1:105:A:TRP:H	16	0.2
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	2	0.2
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	3	0.2
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	7	0.2
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	8	0.2
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	17	0.2
(1,1034)	1:102:A:MET:H	1:102:A:MET:HB2	5	0.2
(1,1034)	1:102:A:MET:H	1:102:A:MET:HB3	5	0.2
(1,1029)	1:101:A:THR:H	1:101:A:THR:HG1	14	0.2
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB2	4	0.2
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB3	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB2	15	0.2
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB3	15	0.2
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	9	0.2
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	9	0.2
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	20	0.2
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	20	0.2
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	2	0.2
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	2	0.2
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	16	0.2
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	16	0.2
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	8	0.2
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	19	0.2
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	19	0.2
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	19	0.2
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	5	0.2
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	5	0.2
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	5	0.2
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	5	0.2
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	5	0.2
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	5	0.2
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	14	0.2
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	14	0.2
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	14	0.2
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	14	0.2
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	14	0.2
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	14	0.2
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	7	0.2
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	8	0.2
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	4	0.2
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	12	0.2
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	12	0.2
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	12	0.2
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	12	0.2
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	12	0.2
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	12	0.2
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	19	0.2
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	17	0.2
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	17	0.2
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	17	0.2
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	17	0.2
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	17	0.2
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	3	0.2
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	3	0.2
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	3	0.2
(1,906)	1:70:A:SER:HA	1:72:A:ARG:H	9	0.2
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	1	0.2
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	1	0.2
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG2	11	0.2
(1,878)	1:64:A:ARG:H	1:64:A:ARG:HG3	11	0.2
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG12	11	0.2
(1,865)	1:61:A:ILE:HA	1:61:A:ILE:HG13	11	0.2
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	6	0.2
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE3	6	0.2
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE2	6	0.2
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE3	6	0.2
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE2	14	0.2
(1,856)	1:60:A:LYS:HG2	1:60:A:LYS:HE3	14	0.2
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE2	14	0.2
(1,856)	1:60:A:LYS:HG3	1:60:A:LYS:HE3	14	0.2
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	8	0.2
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	15	0.2
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	18	0.2
(1,837)	1:57:A:CYS:H	1:58:A:VAL:H	1	0.2
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	10	0.2
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	3	0.2
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	3	0.2
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	3	0.2
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	3	0.2
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	3	0.2
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	3	0.2
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	11	0.2
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	11	0.2
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	11	0.2
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	11	0.2
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	11	0.2
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	11	0.2
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	2	0.2
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	3	0.2
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	9	0.2
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG2	2	0.2
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG3	2	0.2
(1,802)	1:49:A:ARG:H	1:49:A:ARG:HA	3	0.2
(1,801)	1:48:A:SER:HB2	1:49:A:ARG:H	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,801)	1:48:A:SER:HB3	1:49:A:ARG:H	13	0.2
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	3	0.2
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	3	0.2
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	3	0.2
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	3	0.2
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	3	0.2
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	3	0.2
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	11	0.2
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	3	0.2
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	3	0.2
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	3	0.2
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG21	10	0.2
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG22	10	0.2
(1,791)	1:47:A:ILE:HA	1:47:A:ILE:HG23	10	0.2
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	12	0.2
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	19	0.2
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	13	0.2
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	20	0.2
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	5	0.2
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	5	0.2
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	5	0.2
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	5	0.2
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	5	0.2
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	5	0.2
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	7	0.2
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	14	0.2
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	18	0.2
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	18	0.2
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	18	0.2
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	18	0.2
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	18	0.2
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	18	0.2
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	18	0.2
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	18	0.2
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	18	0.2
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	20	0.2
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	20	0.2
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	20	0.2
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	20	0.2
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	20	0.2
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	20	0.2
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	20	0.2
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	20	0.2
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD11	20	0.2
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD12	20	0.2
(1,730)	1:34:A:ILE:HA	1:34:A:ILE:HD13	20	0.2
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	7	0.2
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	7	0.2
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	7	0.2
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	7	0.2
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	15	0.2
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	15	0.2
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	15	0.2
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	15	0.2
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	7	0.2
(1,712)	1:32:A:GLN:H	1:33:A:ARG:H	20	0.2
(1,696)	1:29:A:VAL:H	1:30:A:VAL:H	12	0.2
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	9	0.2
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	9	0.2
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	9	0.2
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	9	0.2
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	9	0.2
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	9	0.2
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG11	14	0.2
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG12	14	0.2
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG13	14	0.2
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG21	14	0.2
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG22	14	0.2
(1,695)	1:29:A:VAL:H	1:29:A:VAL:HG23	14	0.2
(1,694)	1:29:A:VAL:H	1:29:A:VAL:HB	16	0.2
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB2	14	0.2
(1,687)	1:26:A:LEU:H	1:26:A:LEU:HB3	14	0.2
(1,686)	1:25:A:PRO:HA	1:26:A:LEU:H	7	0.2
(1,686)	1:25:A:PRO:HA	1:26:A:LEU:H	14	0.2
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB2	16	0.2
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB3	16	0.2
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	19	0.2
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	3	0.2
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	3	0.2
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD11	12	0.2
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD12	12	0.2
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD13	12	0.2
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD21	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD22	12	0.2
(1,662)	1:13:A:LEU:HA	1:13:A:LEU:HD23	12	0.2
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	15	0.2
(1,481)	1:111:A:LEU:HA	1:111:A:LEU:HG	5	0.2
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	3	0.2
(2,55)	1:92:A:ILE:H	1:128:A:ILE:HB	16	0.19
(2,37)	1:64:A:ARG:H	1:67:A:GLU:HA	12	0.19
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	4	0.19
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	15	0.19
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB2	7	0.19
(1,1246)	1:141:A:ASN:H	1:141:A:ASN:HB3	7	0.19
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	1	0.19
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	1	0.19
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	12	0.19
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	12	0.19
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD11	10	0.19
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD12	10	0.19
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD13	10	0.19
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	4	0.19
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	4	0.19
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	4	0.19
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	4	0.19
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	4	0.19
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	4	0.19
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	4	0.19
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	4	0.19
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	4	0.19
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	5	0.19
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	5	0.19
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	5	0.19
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	5	0.19
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	5	0.19
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	5	0.19
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	5	0.19
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	5	0.19
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	5	0.19
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	18	0.19
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	18	0.19
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	18	0.19
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	18	0.19
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	18	0.19
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	18	0.19
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	18	0.19
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	18	0.19
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	19	0.19
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	19	0.19
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	19	0.19
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	19	0.19
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	19	0.19
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	19	0.19
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	19	0.19
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	19	0.19
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	19	0.19
(1,1178)	1:128:A:ILE:H	1:129:A:ASN:H	18	0.19
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	6	0.19
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	6	0.19
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG12	11	0.19
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG13	11	0.19
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	3	0.19
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	5	0.19
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	9	0.19
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	10	0.19
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	13	0.19
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB2	6	0.19
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB3	6	0.19
(1,1152)	1:121:A:THR:HG21	1:121:A:THR:HG1	6	0.19
(1,1152)	1:121:A:THR:HG22	1:121:A:THR:HG1	6	0.19
(1,1152)	1:121:A:THR:HG23	1:121:A:THR:HG1	6	0.19
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	12	0.19
(1,1124)	1:116:A:VAL:H	1:117:A:CYS:H	5	0.19
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	15	0.19
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	15	0.19
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	15	0.19
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	1	0.19
(1,1084)	1:109:A:ASP:H	1:110:A:ARG:H	5	0.19
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	5	0.19
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	5	0.19
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	5	0.19
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	5	0.19
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	5	0.19
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	5	0.19
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	3	0.19
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	3	0.19
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	3	0.19
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	3	0.19
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	3	0.19
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	3	0.19
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	3	0.19
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	3	0.19
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	13	0.19
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	13	0.19
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	13	0.19
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	13	0.19
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	13	0.19
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	13	0.19
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	13	0.19
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	13	0.19
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	13	0.19
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	16	0.19
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	16	0.19
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	16	0.19
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	16	0.19
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	16	0.19
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	16	0.19
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	16	0.19
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	16	0.19
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	16	0.19
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	11	0.19
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG12	1	0.19
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG13	1	0.19
(1,1057)	1:105:A:TRP:H	1:106:A:GLU:H	11	0.19
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	14	0.19
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	16	0.19
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	2	0.19
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	2	0.19
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB2	18	0.19
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB3	18	0.19
(1,1023)	1:98:A:GLN:HB2	1:99:A:ASN:H	19	0.19
(1,1023)	1:98:A:GLN:HB3	1:99:A:ASN:H	19	0.19
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	3	0.19
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	3	0.19
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	6	0.19
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	6	0.19
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	7	0.19
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD11	17	0.19
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD12	17	0.19
(1,1011)	1:96:A:LYS:HD2	1:107:A:ILE:HD13	17	0.19
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD11	17	0.19
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD12	17	0.19
(1,1011)	1:96:A:LYS:HD3	1:107:A:ILE:HD13	17	0.19
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	13	0.19
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	3	0.19
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	3	0.19
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG12	2	0.19
(1,986)	1:92:A:ILE:H	1:92:A:ILE:HG13	2	0.19
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	3	0.19
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	3	0.19
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	6	0.19
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	6	0.19
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG2	8	0.19
(1,977)	1:91:A:LYS:H	1:91:A:LYS:HG3	8	0.19
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	2	0.19
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	6	0.19
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	10	0.19
(1,972)	1:90:A:GLU:HA	1:91:A:LYS:H	12	0.19
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	11	0.19
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	8	0.19
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	8	0.19
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	8	0.19
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	8	0.19
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	19	0.19
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	19	0.19
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	19	0.19
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	19	0.19
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	11	0.19
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	11	0.19
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	11	0.19
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	11	0.19
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	11	0.19
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	11	0.19
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	6	0.19
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	18	0.19
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	9	0.19
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	6	0.19
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	6	0.19
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	6	0.19
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	6	0.19
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	6	0.19
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	11	0.19
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	11	0.19
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	11	0.19
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	11	0.19
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	11	0.19
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	11	0.19
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	8	0.19
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	18	0.19
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	18	0.19
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	18	0.19
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	18	0.19
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	18	0.19
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	18	0.19
(1,907)	1:70:A:SER:HB2	1:71:A:ILE:H	2	0.19
(1,907)	1:70:A:SER:HB3	1:71:A:ILE:H	2	0.19
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	9	0.19
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	9	0.19
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	13	0.19
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	13	0.19
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	13	0.19
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	13	0.19
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	9	0.19
(1,867)	1:61:A:ILE:HB	1:62:A:LEU:H	20	0.19
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	3	0.19
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	3	0.19
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	2	0.19
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	2	0.19
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	14	0.19
(1,840)	1:58:A:VAL:H	1:58:A:VAL:HA	17	0.19
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	15	0.19
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG11	1	0.19
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG12	1	0.19
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG13	1	0.19
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG21	1	0.19
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG22	1	0.19
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG23	1	0.19
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG11	18	0.19
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG12	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG13	18	0.19
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG21	18	0.19
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG22	18	0.19
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG23	18	0.19
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	6	0.19
(1,807)	1:50:A:GLN:H	1:50:A:GLN:HE21	4	0.19
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	11	0.19
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	11	0.19
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	11	0.19
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	11	0.19
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	11	0.19
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	11	0.19
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	9	0.19
(1,789)	1:47:A:ILE:H	1:48:A:SER:H	1	0.19
(1,780)	1:46:A:ASP:H	1:47:A:ILE:H	15	0.19
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG2	11	0.19
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG3	11	0.19
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG11	4	0.19
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG12	4	0.19
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG13	4	0.19
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG21	4	0.19
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG22	4	0.19
(1,770)	1:42:A:VAL:H	1:42:A:VAL:HG23	4	0.19
(1,769)	1:42:A:VAL:H	1:42:A:VAL:HB	3	0.19
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	8	0.19
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	18	0.19
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	2	0.19
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	3	0.19
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	5	0.19
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	8	0.19
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	9	0.19
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	10	0.19
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	12	0.19
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	16	0.19
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	19	0.19
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	20	0.19
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	15	0.19
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	15	0.19
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	15	0.19
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	15	0.19
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	15	0.19
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	15	0.19
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	15	0.19
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	15	0.19
(1,729)	1:34:A:ILE:H	1:35:A:VAL:H	18	0.19
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG12	2	0.19
(1,725)	1:34:A:ILE:H	1:34:A:ILE:HG13	2	0.19
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	13	0.19
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	13	0.19
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	9	0.19
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	9	0.19
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	9	0.19
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	9	0.19
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	12	0.19
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE21	5	0.19
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE22	5	0.19
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE21	5	0.19
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE22	5	0.19
(1,707)	1:31:A:ARG:H	1:32:A:GLN:H	10	0.19
(1,707)	1:31:A:ARG:H	1:32:A:GLN:H	12	0.19
(1,702)	1:30:A:VAL:H	1:31:A:ARG:H	16	0.19
(1,686)	1:25:A:PRO:HA	1:26:A:LEU:H	8	0.19
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB2	15	0.19
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB3	15	0.19
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	5	0.19
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG11	7	0.19
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG12	7	0.19
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG13	7	0.19
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG21	7	0.19
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG22	7	0.19
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG23	7	0.19
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG11	16	0.19
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG12	16	0.19
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG13	16	0.19
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG21	16	0.19
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG22	16	0.19
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG23	16	0.19
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD1	14	0.19
(1,674)	1:20:A:PHE:H	1:20:A:PHE:HD2	14	0.19
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	7	0.19
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	17	0.19
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	18	0.19
(1,619)	1:136:A:VAL:H	1:137:A:GLN:H	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:82:A:LYS:H	1:83:A:VAL:H	5	0.19
(2,4)	1:26:A:LEU:HA	1:30:A:VAL:HB	10	0.18
(1,1253)	1:146:A:SER:HA	1:147:A:GLY:H	12	0.18
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	5	0.18
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	5	0.18
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	6	0.18
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	6	0.18
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	7	0.18
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	7	0.18
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	11	0.18
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	12	0.18
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	20	0.18
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD11	12	0.18
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD12	12	0.18
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD13	12	0.18
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	10	0.18
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	10	0.18
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	10	0.18
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	10	0.18
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	10	0.18
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	10	0.18
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	10	0.18
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	10	0.18
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	10	0.18
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD11	6	0.18
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD12	6	0.18
(1,1175)	1:128:A:ILE:H	1:128:A:ILE:HD13	6	0.18
(1,1169)	1:127:A:SER:H	1:128:A:ILE:H	18	0.18
(1,1162)	1:125:A:VAL:H	1:126:A:SER:H	1	0.18
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	9	0.18
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	9	0.18
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	9	0.18
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	9	0.18
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	9	0.18
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	9	0.18
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	2	0.18
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	11	0.18
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	14	0.18
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	18	0.18
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB2	20	0.18
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB3	20	0.18
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	11	0.18
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	11	0.18
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	11	0.18
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	15	0.18
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	4	0.18
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	7	0.18
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	9	0.18
(1,1121)	1:115:A:GLY:HA2	1:116:A:VAL:H	5	0.18
(1,1121)	1:115:A:GLY:HA3	1:116:A:VAL:H	5	0.18
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	5	0.18
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	13	0.18
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	13	0.18
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	16	0.18
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	16	0.18
(1,1089)	1:110:A:ARG:H	1:110:A:ARG:HB2	3	0.18
(1,1089)	1:110:A:ARG:H	1:110:A:ARG:HB3	3	0.18
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG12	13	0.18
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG13	13	0.18
(1,1057)	1:105:A:TRP:H	1:106:A:GLU:H	2	0.18
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB2	10	0.18
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB3	10	0.18
(1,1049)	1:104:A:ALA:HB1	1:105:A:TRP:H	5	0.18
(1,1049)	1:104:A:ALA:HB2	1:105:A:TRP:H	5	0.18
(1,1049)	1:104:A:ALA:HB3	1:105:A:TRP:H	5	0.18
(1,1049)	1:104:A:ALA:HB1	1:105:A:TRP:H	7	0.18
(1,1049)	1:104:A:ALA:HB2	1:105:A:TRP:H	7	0.18
(1,1049)	1:104:A:ALA:HB3	1:105:A:TRP:H	7	0.18
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	4	0.18
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	6	0.18
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	10	0.18
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	12	0.18
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	9	0.18
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	9	0.18
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	15	0.18
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	15	0.18
(1,1034)	1:102:A:MET:H	1:102:A:MET:HB2	15	0.18
(1,1034)	1:102:A:MET:H	1:102:A:MET:HB3	15	0.18
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	15	0.18
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	15	0.18
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG2	4	0.18
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG3	4	0.18
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG2	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG3	20	0.18
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD1	10	0.18
(1,1001)	1:95:A:TYR:HA	1:95:A:TYR:HD2	10	0.18
(1,1000)	1:95:A:TYR:H	1:96:A:LYS:H	1	0.18
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	6	0.18
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	6	0.18
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	5	0.18
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	13	0.18
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	7	0.18
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	4	0.18
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	4	0.18
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	4	0.18
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	4	0.18
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	4	0.18
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	4	0.18
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	1	0.18
(1,959)	1:88:A:VAL:H	1:89:A:VAL:H	16	0.18
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	14	0.18
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	11	0.18
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	3	0.18
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	17	0.18
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	10	0.18
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	10	0.18
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	12	0.18
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	12	0.18
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG12	3	0.18
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG13	3	0.18
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	20	0.18
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	20	0.18
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	17	0.18
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	17	0.18
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD11	17	0.18
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD12	17	0.18
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD13	17	0.18
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD21	17	0.18
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD22	17	0.18
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD23	17	0.18
(1,861)	1:61:A:ILE:H	1:61:A:ILE:HG12	4	0.18
(1,861)	1:61:A:ILE:H	1:61:A:ILE:HG13	4	0.18
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG2	6	0.18
(1,853)	1:60:A:LYS:H	1:60:A:LYS:HG3	6	0.18
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	5	0.18
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	13	0.18
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG11	11	0.18
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG12	11	0.18
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG13	11	0.18
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG21	11	0.18
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG22	11	0.18
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG23	11	0.18
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	1	0.18
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	17	0.18
(1,837)	1:57:A:CYS:H	1:58:A:VAL:H	20	0.18
(1,831)	1:53:A:VAL:HB	1:54:A:SER:H	14	0.18
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG11	15	0.18
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG12	15	0.18
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG13	15	0.18
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG21	15	0.18
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG22	15	0.18
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG23	15	0.18
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	17	0.18
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	17	0.18
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	17	0.18
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	17	0.18
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	17	0.18
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	17	0.18
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	7	0.18
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	20	0.18
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG2	3	0.18
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG3	3	0.18
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	10	0.18
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	10	0.18
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	10	0.18
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	10	0.18
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	10	0.18
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	10	0.18
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	8	0.18
(1,782)	1:46:A:ASP:HB2	1:47:A:ILE:H	17	0.18
(1,782)	1:46:A:ASP:HB3	1:47:A:ILE:H	17	0.18
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	17	0.18
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	17	0.18
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	11	0.18
(1,738)	1:35:A:VAL:H	1:35:A:VAL:HB	13	0.18
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	2	0.18
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	2	0.18
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	2	0.18
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	2	0.18
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	2	0.18
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	2	0.18
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	2	0.18
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	2	0.18
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	2	0.18
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	14	0.18
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	14	0.18
(1,733)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	14	0.18
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	14	0.18
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	14	0.18
(1,733)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	14	0.18
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	14	0.18
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	14	0.18
(1,733)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	14	0.18
(1,729)	1:34:A:ILE:H	1:35:A:VAL:H	11	0.18
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	17	0.18
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	17	0.18
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	17	0.18
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	17	0.18
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	14	0.18
(1,712)	1:32:A:GLN:H	1:33:A:ARG:H	3	0.18
(1,712)	1:32:A:GLN:H	1:33:A:ARG:H	16	0.18
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	2	0.18
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	2	0.18
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	17	0.18
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	17	0.18
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	19	0.18
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	19	0.18
(1,686)	1:25:A:PRO:HA	1:26:A:LEU:H	16	0.18
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	3	0.18
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	9	0.18
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB2	18	0.18
(1,665)	1:15:A:GLN:H	1:15:A:GLN:HB3	18	0.18
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	4	0.18
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	6	0.18
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	12	0.18
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	14	0.18
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	20	0.18
(1,619)	1:136:A:VAL:H	1:137:A:GLN:H	10	0.18
(1,617)	1:136:A:VAL:H	1:136:A:VAL:HB	14	0.18
(1,323)	1:82:A:LYS:HA	1:83:A:VAL:H	13	0.18
(1,111)	1:37:A:LEU:HA	1:40:A:GLN:H	6	0.18
(2,4)	1:26:A:LEU:HA	1:30:A:VAL:HB	7	0.17
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	18	0.17
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD1	9	0.17
(1,1244)	1:140:A:PHE:H	1:140:A:PHE:HD2	9	0.17
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	1	0.17
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	1	0.17
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	18	0.17
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	18	0.17
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB2	3	0.17
(1,1226)	1:135:A:LYS:H	1:135:A:LYS:HB3	3	0.17
(1,1222)	1:134:A:THR:H	1:135:A:LYS:H	13	0.17
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	13	0.17
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	13	0.17
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	13	0.17
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	13	0.17
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	13	0.17
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	13	0.17
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	13	0.17
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	13	0.17
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	13	0.17
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	17	0.17
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	17	0.17
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	17	0.17
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	17	0.17
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	17	0.17
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	17	0.17
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	17	0.17
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	17	0.17
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	17	0.17
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	1	0.17
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	1	0.17
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	19	0.17
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	19	0.17
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	20	0.17
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	20	0.17
(1,1167)	1:126:A:SER:H	1:127:A:SER:H	4	0.17
(1,1167)	1:126:A:SER:H	1:127:A:SER:H	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	10	0.17
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	10	0.17
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	10	0.17
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	10	0.17
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	10	0.17
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	10	0.17
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	14	0.17
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	14	0.17
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	14	0.17
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	14	0.17
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	14	0.17
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	14	0.17
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	6	0.17
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	15	0.17
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	17	0.17
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB2	18	0.17
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB3	18	0.17
(1,1131)	1:117:A:CYS:HB2	1:118:A:ASP:H	18	0.17
(1,1131)	1:117:A:CYS:HB3	1:118:A:ASP:H	18	0.17
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	3	0.17
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	10	0.17
(1,1128)	1:117:A:CYS:H	1:117:A:CYS:HA	18	0.17
(1,1124)	1:116:A:VAL:H	1:117:A:CYS:H	4	0.17
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG11	5	0.17
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG12	5	0.17
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG13	5	0.17
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG21	5	0.17
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG22	5	0.17
(1,1123)	1:116:A:VAL:H	1:116:A:VAL:HG23	5	0.17
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	18	0.17
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	13	0.17
(1,1100)	1:111:A:LEU:HB2	1:112:A:LEU:H	11	0.17
(1,1100)	1:111:A:LEU:HB3	1:112:A:LEU:H	11	0.17
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	2	0.17
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	2	0.17
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	10	0.17
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	10	0.17
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	18	0.17
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	18	0.17
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	5	0.17
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB2	12	0.17
(1,1075)	1:108:A:ARG:H	1:108:A:ARG:HB3	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	12	0.17
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	12	0.17
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	12	0.17
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	12	0.17
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	12	0.17
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	12	0.17
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	12	0.17
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	12	0.17
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	12	0.17
(1,1071)	1:107:A:ILE:HA	1:110:A:ARG:H	5	0.17
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG12	5	0.17
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG13	5	0.17
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG12	14	0.17
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG13	14	0.17
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG12	8	0.17
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG13	8	0.17
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG12	12	0.17
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG13	12	0.17
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	4	0.17
(1,1049)	1:104:A:ALA:HB1	1:105:A:TRP:H	18	0.17
(1,1049)	1:104:A:ALA:HB2	1:105:A:TRP:H	18	0.17
(1,1049)	1:104:A:ALA:HB3	1:105:A:TRP:H	18	0.17
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	15	0.17
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	18	0.17
(1,1039)	1:102:A:MET:HB2	1:103:A:PHE:H	7	0.17
(1,1039)	1:102:A:MET:HB3	1:103:A:PHE:H	7	0.17
(1,1031)	1:101:A:THR:H	1:102:A:MET:H	11	0.17
(1,1027)	1:101:A:THR:H	1:101:A:THR:HA	8	0.17
(1,1027)	1:101:A:THR:H	1:101:A:THR:HA	19	0.17
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG2	3	0.17
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG3	3	0.17
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	18	0.17
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	18	0.17
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG2	14	0.17
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG3	14	0.17
(1,995)	1:94:A:ASP:HB2	1:95:A:TYR:H	5	0.17
(1,995)	1:94:A:ASP:HB3	1:95:A:TYR:H	5	0.17
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	16	0.17
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	16	0.17
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	16	0.17
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	16	0.17
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	16	0.17
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	16	0.17
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	16	0.17
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	16	0.17
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	17	0.17
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	17	0.17
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	17	0.17
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	17	0.17
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	17	0.17
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	17	0.17
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	17	0.17
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	17	0.17
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	17	0.17
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	1	0.17
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	4	0.17
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	4	0.17
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	4	0.17
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	4	0.17
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	16	0.17
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	16	0.17
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG2	16	0.17
(1,970)	1:90:A:GLU:H	1:90:A:GLU:HG3	16	0.17
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	12	0.17
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	12	0.17
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	12	0.17
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	12	0.17
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	12	0.17
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	12	0.17
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	20	0.17
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	20	0.17
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	20	0.17
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	20	0.17
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	20	0.17
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	20	0.17
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	2	0.17
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	9	0.17
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	10	0.17
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	12	0.17
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	14	0.17
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	15	0.17
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	7	0.17
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	7	0.17
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	7	0.17
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	7	0.17
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	7	0.17
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	20	0.17
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	20	0.17
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	20	0.17
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	20	0.17
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	20	0.17
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	20	0.17
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	2	0.17
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	4	0.17
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	5	0.17
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	10	0.17
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	10	0.17
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	10	0.17
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	10	0.17
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	10	0.17
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	10	0.17
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	11	0.17
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	11	0.17
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	11	0.17
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	11	0.17
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	11	0.17
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	11	0.17
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG2	15	0.17
(1,930)	1:80:A:LYS:H	1:80:A:LYS:HG3	15	0.17
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	11	0.17
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	11	0.17
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	11	0.17
(1,902)	1:69:A:GLY:H	1:69:A:GLY:HA2	8	0.17
(1,902)	1:69:A:GLY:H	1:69:A:GLY:HA3	8	0.17
(1,890)	1:65:A:TYR:H	1:66:A:TYR:H	11	0.17
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	7	0.17
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	10	0.17
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	10	0.17
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	10	0.17
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	10	0.17
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	10	0.17
(1,857)	1:60:A:LYS:HB2	1:61:A:ILE:H	16	0.17
(1,857)	1:60:A:LYS:HB3	1:61:A:ILE:H	16	0.17
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	10	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	9	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	9	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	9	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	9	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	9	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	9	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	10	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	10	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	10	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	10	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	10	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	10	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	15	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	15	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	15	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	15	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	15	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	15	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	16	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	16	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	16	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	16	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	16	0.17
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	16	0.17
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	19	0.17
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG2	18	0.17
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG3	18	0.17
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	13	0.17
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	8	0.17
(1,783)	1:47:A:ILE:H	1:47:A:ILE:HA	19	0.17
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG2	15	0.17
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG3	15	0.17
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD2	15	0.17
(1,775)	1:43:A:ARG:H	1:43:A:ARG:HD3	15	0.17
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	10	0.17
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	12	0.17
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	1	0.17
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	1	0.17
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	15	0.17
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	15	0.17
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD2	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:33:A:ARG:HB2	1:33:A:ARG:HD3	20	0.17
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD2	20	0.17
(1,722)	1:33:A:ARG:HB3	1:33:A:ARG:HD3	20	0.17
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE21	20	0.17
(1,714)	1:32:A:GLN:HG2	1:32:A:GLN:HE22	20	0.17
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE21	20	0.17
(1,714)	1:32:A:GLN:HG3	1:32:A:GLN:HE22	20	0.17
(1,702)	1:30:A:VAL:H	1:31:A:ARG:H	11	0.17
(1,694)	1:29:A:VAL:H	1:29:A:VAL:HB	3	0.17
(1,694)	1:29:A:VAL:H	1:29:A:VAL:HB	9	0.17
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	3	0.17
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	3	0.17
(1,691)	1:27:A:PRO:HA	1:28:A:GLU:H	19	0.17
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD11	19	0.17
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD12	19	0.17
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD13	19	0.17
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD21	19	0.17
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD22	19	0.17
(1,689)	1:26:A:LEU:HA	1:26:A:LEU:HD23	19	0.17
(1,688)	1:26:A:LEU:H	1:26:A:LEU:HG	11	0.17
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	6	0.17
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	6	0.17
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	16	0.17
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	16	0.17
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	1	0.17
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	10	0.17
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	11	0.17
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	16	0.17
(1,481)	1:111:A:LEU:HA	1:111:A:LEU:HG	12	0.17
(1,298)	1:75:A:VAL:H	1:76:A:ILE:H	9	0.17
(1,298)	1:75:A:VAL:H	1:76:A:ILE:H	14	0.17
(1,293)	1:73:A:PRO:HA	1:74:A:GLY:H	13	0.17
(1,200)	1:53:A:VAL:HA	1:54:A:SER:H	19	0.17
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	2	0.17
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	16	0.17
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	19	0.17
(1,111)	1:37:A:LEU:HA	1:40:A:GLN:H	15	0.17
(1,30)	1:21:A:VAL:H	1:21:A:VAL:HB	7	0.17
(2,81)	1:118:A:ASP:H	1:122:A:VAL:H	18	0.16
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	5	0.16
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	6	0.16
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG2	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG3	15	0.16
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD2	15	0.16
(1,1219)	1:133:A:ARG:HB2	1:133:A:ARG:HD3	15	0.16
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD2	15	0.16
(1,1219)	1:133:A:ARG:HB3	1:133:A:ARG:HD3	15	0.16
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	6	0.16
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	1	0.16
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	1	0.16
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	1	0.16
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	1	0.16
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	1	0.16
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	1	0.16
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	1	0.16
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	1	0.16
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	1	0.16
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	8	0.16
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	8	0.16
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	8	0.16
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	8	0.16
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	8	0.16
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	8	0.16
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	8	0.16
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	8	0.16
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	8	0.16
(1,1178)	1:128:A:ILE:H	1:129:A:ASN:H	3	0.16
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG21	12	0.16
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG22	12	0.16
(1,1177)	1:128:A:ILE:H	1:128:A:ILE:HG23	12	0.16
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	16	0.16
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	16	0.16
(1,1169)	1:127:A:SER:H	1:128:A:ILE:H	10	0.16
(1,1162)	1:125:A:VAL:H	1:126:A:SER:H	15	0.16
(1,1160)	1:125:A:VAL:H	1:125:A:VAL:HB	7	0.16
(1,1160)	1:125:A:VAL:H	1:125:A:VAL:HB	15	0.16
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	19	0.16
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB2	13	0.16
(1,1157)	1:124:A:SER:H	1:127:A:SER:HB3	13	0.16
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	19	0.16
(1,1121)	1:115:A:GLY:HA2	1:116:A:VAL:H	4	0.16
(1,1121)	1:115:A:GLY:HA3	1:116:A:VAL:H	4	0.16
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	2	0.16
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	10	0.16
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	10	0.16
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	14	0.16
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	14	0.16
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	1	0.16
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	9	0.16
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	9	0.16
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	12	0.16
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	12	0.16
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	1	0.16
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	1	0.16
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	15	0.16
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	15	0.16
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	4	0.16
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	1	0.16
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	1	0.16
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	1	0.16
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	1	0.16
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	1	0.16
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	1	0.16
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	1	0.16
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	1	0.16
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	1	0.16
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	4	0.16
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	4	0.16
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	4	0.16
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	4	0.16
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	4	0.16
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	4	0.16
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	4	0.16
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	4	0.16
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	4	0.16
(1,1057)	1:105:A:TRP:H	1:106:A:GLU:H	19	0.16
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB2	4	0.16
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB3	4	0.16
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB2	5	0.16
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB3	5	0.16
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB2	19	0.16
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB3	19	0.16
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD11	16	0.16
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD12	16	0.16
(1,1050)	1:104:A:ALA:HB1	1:128:A:ILE:HD13	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD11	16	0.16
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD12	16	0.16
(1,1050)	1:104:A:ALA:HB2	1:128:A:ILE:HD13	16	0.16
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD11	16	0.16
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD12	16	0.16
(1,1050)	1:104:A:ALA:HB3	1:128:A:ILE:HD13	16	0.16
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	5	0.16
(1,1027)	1:101:A:THR:H	1:101:A:THR:HA	17	0.16
(1,1023)	1:98:A:GLN:HB2	1:99:A:ASN:H	9	0.16
(1,1023)	1:98:A:GLN:HB3	1:99:A:ASN:H	9	0.16
(1,1023)	1:98:A:GLN:HB2	1:99:A:ASN:H	18	0.16
(1,1023)	1:98:A:GLN:HB3	1:99:A:ASN:H	18	0.16
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG2	14	0.16
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG3	14	0.16
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG2	18	0.16
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG3	18	0.16
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD2	3	0.16
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD3	3	0.16
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD1	19	0.16
(1,998)	1:95:A:TYR:H	1:95:A:TYR:HD2	19	0.16
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	9	0.16
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	9	0.16
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	17	0.16
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	16	0.16
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	2	0.16
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	2	0.16
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	2	0.16
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	2	0.16
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	2	0.16
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	2	0.16
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	3	0.16
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	5	0.16
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	16	0.16
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	2	0.16
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	3	0.16
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	12	0.16
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	19	0.16
(1,939)	1:83:A:VAL:HG11	1:84:A:ALA:H	7	0.16
(1,939)	1:83:A:VAL:HG12	1:84:A:ALA:H	7	0.16
(1,939)	1:83:A:VAL:HG13	1:84:A:ALA:H	7	0.16
(1,939)	1:83:A:VAL:HG21	1:84:A:ALA:H	7	0.16
(1,939)	1:83:A:VAL:HG22	1:84:A:ALA:H	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,939)	1:83:A:VAL:HG23	1:84:A:ALA:H	7	0.16
(1,939)	1:83:A:VAL:HG11	1:84:A:ALA:H	16	0.16
(1,939)	1:83:A:VAL:HG12	1:84:A:ALA:H	16	0.16
(1,939)	1:83:A:VAL:HG13	1:84:A:ALA:H	16	0.16
(1,939)	1:83:A:VAL:HG21	1:84:A:ALA:H	16	0.16
(1,939)	1:83:A:VAL:HG22	1:84:A:ALA:H	16	0.16
(1,939)	1:83:A:VAL:HG23	1:84:A:ALA:H	16	0.16
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	7	0.16
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	7	0.16
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	7	0.16
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	12	0.16
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	12	0.16
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	12	0.16
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	16	0.16
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	16	0.16
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	16	0.16
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	19	0.16
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	19	0.16
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	19	0.16
(1,914)	1:71:A:ILE:H	1:72:A:ARG:H	14	0.16
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG12	2	0.16
(1,911)	1:71:A:ILE:H	1:71:A:ILE:HG13	2	0.16
(1,905)	1:70:A:SER:H	1:70:A:SER:HB2	14	0.16
(1,905)	1:70:A:SER:H	1:70:A:SER:HB3	14	0.16
(1,902)	1:69:A:GLY:H	1:69:A:GLY:HA2	10	0.16
(1,902)	1:69:A:GLY:H	1:69:A:GLY:HA3	10	0.16
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	12	0.16
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	12	0.16
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD11	6	0.16
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD12	6	0.16
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD13	6	0.16
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD21	6	0.16
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD22	6	0.16
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD23	6	0.16
(1,869)	1:62:A:LEU:H	1:62:A:LEU:HA	11	0.16
(1,867)	1:61:A:ILE:HB	1:62:A:LEU:H	17	0.16
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	15	0.16
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	15	0.16
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	15	0.16
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD2	13	0.16
(1,854)	1:60:A:LYS:HA	1:60:A:LYS:HD3	13	0.16
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG11	10	0.16
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG12	10	0.16
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG13	10	0.16
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG21	10	0.16
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG22	10	0.16
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG23	10	0.16
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	16	0.16
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG11	2	0.16
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG12	2	0.16
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG13	2	0.16
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG21	2	0.16
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG22	2	0.16
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG23	2	0.16
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG11	4	0.16
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG12	4	0.16
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG13	4	0.16
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG21	4	0.16
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG22	4	0.16
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG23	4	0.16
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	1	0.16
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	5	0.16
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	7	0.16
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	12	0.16
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	18	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	4	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	4	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	4	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	4	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	4	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	4	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	5	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	5	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	5	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	5	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	5	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	5	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	14	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	14	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	14	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	14	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	14	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	19	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	19	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	19	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	19	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	19	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	19	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	20	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	20	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	20	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	20	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	20	0.16
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	20	0.16
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	1	0.16
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	17	0.16
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG2	11	0.16
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG3	11	0.16
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG11	1	0.16
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG12	1	0.16
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG13	1	0.16
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG21	1	0.16
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG22	1	0.16
(1,800)	1:48:A:SER:HA	1:53:A:VAL:HG23	1	0.16
(1,787)	1:47:A:ILE:H	1:47:A:ILE:HG12	18	0.16
(1,787)	1:47:A:ILE:H	1:47:A:ILE:HG13	18	0.16
(1,785)	1:47:A:ILE:H	1:47:A:ILE:HG12	18	0.16
(1,785)	1:47:A:ILE:H	1:47:A:ILE:HG13	18	0.16
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG2	13	0.16
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG3	13	0.16
(1,774)	1:43:A:ARG:H	1:43:A:ARG:HG2	3	0.16
(1,774)	1:43:A:ARG:H	1:43:A:ARG:HG3	3	0.16
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	9	0.16
(1,729)	1:34:A:ILE:H	1:35:A:VAL:H	15	0.16
(1,707)	1:31:A:ARG:H	1:32:A:GLN:H	16	0.16
(1,702)	1:30:A:VAL:H	1:31:A:ARG:H	10	0.16
(1,702)	1:30:A:VAL:H	1:31:A:ARG:H	18	0.16
(1,696)	1:29:A:VAL:H	1:30:A:VAL:H	14	0.16
(1,694)	1:29:A:VAL:H	1:29:A:VAL:HB	10	0.16
(1,691)	1:27:A:PRO:HA	1:28:A:GLU:H	4	0.16
(1,686)	1:25:A:PRO:HA	1:26:A:LEU:H	5	0.16
(1,686)	1:25:A:PRO:HA	1:26:A:LEU:H	12	0.16
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB2	6	0.16
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB3	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	13	0.16
(1,681)	1:23:A:GLY:HA2	1:24:A:ARG:H	17	0.16
(1,681)	1:23:A:GLY:HA3	1:24:A:ARG:H	17	0.16
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	3	0.16
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	3	0.16
(1,670)	1:16:A:LEU:HB2	1:17:A:GLY:H	18	0.16
(1,670)	1:16:A:LEU:HB3	1:17:A:GLY:H	18	0.16
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	4	0.16
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	4	0.16
(1,659)	1:10:A:HIS:H	1:10:A:HIS:HA	2	0.16
(1,619)	1:136:A:VAL:H	1:137:A:GLN:H	18	0.16
(1,564)	1:128:A:ILE:HB	1:129:A:ASN:H	7	0.16
(1,564)	1:128:A:ILE:HB	1:129:A:ASN:H	8	0.16
(1,531)	1:120:A:ASP:H	1:121:A:THR:HA	16	0.16
(1,364)	1:91:A:LYS:HA	1:95:A:TYR:H	14	0.16
(1,294)	1:74:A:GLY:H	1:75:A:VAL:H	14	0.16
(1,293)	1:73:A:PRO:HA	1:74:A:GLY:H	5	0.16
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	2	0.15
(1,1254)	1:148:A:ALA:H	1:148:A:ALA:HA	14	0.15
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB2	5	0.15
(1,1249)	1:142:A:LEU:H	1:142:A:LEU:HB3	5	0.15
(1,1229)	1:135:A:LYS:H	1:136:A:VAL:H	14	0.15
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	10	0.15
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	10	0.15
(1,1207)	1:131:A:ILE:H	1:132:A:ILE:H	8	0.15
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG12	11	0.15
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG13	11	0.15
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG2	6	0.15
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG3	6	0.15
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG2	13	0.15
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG3	13	0.15
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	16	0.15
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	16	0.15
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	16	0.15
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	16	0.15
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	16	0.15
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	16	0.15
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	16	0.15
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	16	0.15
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	16	0.15
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	2	0.15
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	2	0.15
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	8	0.15
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	8	0.15
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG12	4	0.15
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG13	4	0.15
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG12	10	0.15
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG13	10	0.15
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	6	0.15
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	6	0.15
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	6	0.15
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	6	0.15
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	6	0.15
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	6	0.15
(1,1160)	1:125:A:VAL:H	1:125:A:VAL:HB	3	0.15
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	8	0.15
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	16	0.15
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	10	0.15
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	10	0.15
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	10	0.15
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	10	0.15
(1,1121)	1:115:A:GLY:HA2	1:116:A:VAL:H	18	0.15
(1,1121)	1:115:A:GLY:HA3	1:116:A:VAL:H	18	0.15
(1,1121)	1:115:A:GLY:HA2	1:116:A:VAL:H	19	0.15
(1,1121)	1:115:A:GLY:HA3	1:116:A:VAL:H	19	0.15
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	8	0.15
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	8	0.15
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	18	0.15
(1,1103)	1:112:A:LEU:H	1:112:A:LEU:HB2	20	0.15
(1,1103)	1:112:A:LEU:H	1:112:A:LEU:HB3	20	0.15
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	7	0.15
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	7	0.15
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	3	0.15
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	9	0.15
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	9	0.15
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	9	0.15
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	9	0.15
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	9	0.15
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	9	0.15
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	6	0.15
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	6	0.15
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	6	0.15
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	6	0.15
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	6	0.15
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	6	0.15
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	6	0.15
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	6	0.15
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	4	0.15
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG12	7	0.15
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG13	7	0.15
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	19	0.15
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	8	0.15
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG11	12	0.15
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG12	12	0.15
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG13	12	0.15
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG21	12	0.15
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG22	12	0.15
(1,1059)	1:105:A:TRP:HA	1:125:A:VAL:HG23	12	0.15
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	9	0.15
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	11	0.15
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	9	0.15
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	9	0.15
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	15	0.15
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	15	0.15
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG2	16	0.15
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG3	16	0.15
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB2	1	0.15
(1,1018)	1:98:A:GLN:H	1:98:A:GLN:HB3	1	0.15
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG2	9	0.15
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG3	9	0.15
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD2	10	0.15
(1,979)	1:91:A:LYS:HA	1:91:A:LYS:HD3	10	0.15
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	5	0.15
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	20	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	9	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	9	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	9	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	9	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	9	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	9	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	10	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	10	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	10	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	10	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	10	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	15	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	15	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	15	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	15	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	15	0.15
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	15	0.15
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	6	0.15
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	9	0.15
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	9	0.15
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	9	0.15
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	9	0.15
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	9	0.15
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	9	0.15
(1,950)	1:87:A:LYS:H	1:87:A:LYS:HB2	10	0.15
(1,950)	1:87:A:LYS:H	1:87:A:LYS:HB3	10	0.15
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	2	0.15
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	10	0.15
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	11	0.15
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	15	0.15
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	16	0.15
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB1	2	0.15
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB2	2	0.15
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB3	2	0.15
(1,940)	1:84:A:ALA:H	1:84:A:ALA:HA	2	0.15
(1,940)	1:84:A:ALA:H	1:84:A:ALA:HA	6	0.15
(1,939)	1:83:A:VAL:HG11	1:84:A:ALA:H	19	0.15
(1,939)	1:83:A:VAL:HG12	1:84:A:ALA:H	19	0.15
(1,939)	1:83:A:VAL:HG13	1:84:A:ALA:H	19	0.15
(1,939)	1:83:A:VAL:HG21	1:84:A:ALA:H	19	0.15
(1,939)	1:83:A:VAL:HG22	1:84:A:ALA:H	19	0.15
(1,939)	1:83:A:VAL:HG23	1:84:A:ALA:H	19	0.15
(1,939)	1:83:A:VAL:HG11	1:84:A:ALA:H	20	0.15
(1,939)	1:83:A:VAL:HG12	1:84:A:ALA:H	20	0.15
(1,939)	1:83:A:VAL:HG13	1:84:A:ALA:H	20	0.15
(1,939)	1:83:A:VAL:HG21	1:84:A:ALA:H	20	0.15
(1,939)	1:83:A:VAL:HG22	1:84:A:ALA:H	20	0.15
(1,939)	1:83:A:VAL:HG23	1:84:A:ALA:H	20	0.15
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	2	0.15
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	2	0.15
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	2	0.15
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	2	0.15
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	2	0.15
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG11	3	0.15
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG12	3	0.15
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG13	3	0.15
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG21	3	0.15
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG22	3	0.15
(1,936)	1:83:A:VAL:H	1:83:A:VAL:HG23	3	0.15
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	7	0.15
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	7	0.15
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	8	0.15
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	8	0.15
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	8	0.15
(1,902)	1:69:A:GLY:H	1:69:A:GLY:HA2	19	0.15
(1,902)	1:69:A:GLY:H	1:69:A:GLY:HA3	19	0.15
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	7	0.15
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	7	0.15
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	19	0.15
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	19	0.15
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	11	0.15
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	11	0.15
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	11	0.15
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	11	0.15
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB2	13	0.15
(1,877)	1:64:A:ARG:H	1:64:A:ARG:HB3	13	0.15
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD11	12	0.15
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD12	12	0.15
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD13	12	0.15
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD21	12	0.15
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD22	12	0.15
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD23	12	0.15
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	12	0.15
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	8	0.15
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	8	0.15
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	8	0.15
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	2	0.15
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	2	0.15
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG11	16	0.15
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG12	16	0.15
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG13	16	0.15
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG21	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG22	16	0.15
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG23	16	0.15
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	1	0.15
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	15	0.15
(1,824)	1:52:A:ARG:H	1:53:A:VAL:H	3	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	1	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	1	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	1	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	1	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	1	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	1	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	2	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	2	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	2	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	2	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	2	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	2	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	13	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	13	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	13	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	13	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	13	0.15
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	13	0.15
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	14	0.15
(1,806)	1:49:A:ARG:H	1:50:A:GLN:H	19	0.15
(1,803)	1:49:A:ARG:H	1:49:A:ARG:HG2	2	0.15
(1,803)	1:49:A:ARG:H	1:49:A:ARG:HG3	2	0.15
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	2	0.15
(1,787)	1:47:A:ILE:H	1:47:A:ILE:HG12	2	0.15
(1,787)	1:47:A:ILE:H	1:47:A:ILE:HG13	2	0.15
(1,787)	1:47:A:ILE:H	1:47:A:ILE:HG12	12	0.15
(1,787)	1:47:A:ILE:H	1:47:A:ILE:HG13	12	0.15
(1,785)	1:47:A:ILE:H	1:47:A:ILE:HG12	2	0.15
(1,785)	1:47:A:ILE:H	1:47:A:ILE:HG13	2	0.15
(1,785)	1:47:A:ILE:H	1:47:A:ILE:HG12	12	0.15
(1,785)	1:47:A:ILE:H	1:47:A:ILE:HG13	12	0.15
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	16	0.15
(1,782)	1:46:A:ASP:HB2	1:47:A:ILE:H	1	0.15
(1,782)	1:46:A:ASP:HB3	1:47:A:ILE:H	1	0.15
(1,767)	1:41:A:GLY:H	1:42:A:VAL:H	3	0.15
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	19	0.15
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:32:A:GLN:H	1:33:A:ARG:H	17	0.15
(1,696)	1:29:A:VAL:H	1:30:A:VAL:H	11	0.15
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	8	0.15
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	8	0.15
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	12	0.15
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	12	0.15
(1,691)	1:27:A:PRO:HA	1:28:A:GLU:H	2	0.15
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD2	10	0.15
(1,684)	1:24:A:ARG:H	1:24:A:ARG:HD3	10	0.15
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	15	0.15
(1,681)	1:23:A:GLY:HA2	1:24:A:ARG:H	4	0.15
(1,681)	1:23:A:GLY:HA3	1:24:A:ARG:H	4	0.15
(1,619)	1:136:A:VAL:H	1:137:A:GLN:H	3	0.15
(1,483)	1:111:A:LEU:HA	1:116:A:VAL:HB	18	0.15
(1,481)	1:111:A:LEU:HA	1:111:A:LEU:HG	13	0.15
(1,298)	1:75:A:VAL:H	1:76:A:ILE:H	1	0.15
(1,298)	1:75:A:VAL:H	1:76:A:ILE:H	4	0.15
(1,298)	1:75:A:VAL:H	1:76:A:ILE:H	16	0.15
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	6	0.15
(1,111)	1:37:A:LEU:HA	1:40:A:GLN:H	4	0.15
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	1	0.14
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	1	0.14
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	13	0.14
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	13	0.14
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	14	0.14
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	14	0.14
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	16	0.14
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	16	0.14
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	17	0.14
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	17	0.14
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	18	0.14
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	18	0.14
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	20	0.14
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	20	0.14
(1,1252)	1:146:A:SER:H	1:146:A:SER:HA	15	0.14
(1,1220)	1:134:A:THR:H	1:134:A:THR:HG1	4	0.14
(1,1210)	1:132:A:ILE:H	1:132:A:ILE:HB	19	0.14
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD11	11	0.14
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD12	11	0.14
(1,1204)	1:131:A:ILE:H	1:131:A:ILE:HD13	11	0.14
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG12	9	0.14
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG13	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG12	12	0.14
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG13	12	0.14
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG2	4	0.14
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG3	4	0.14
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG2	11	0.14
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG3	11	0.14
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG2	12	0.14
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG3	12	0.14
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD11	20	0.14
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD12	20	0.14
(1,1186)	1:128:A:ILE:HG21	1:128:A:ILE:HD13	20	0.14
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD11	20	0.14
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD12	20	0.14
(1,1186)	1:128:A:ILE:HG22	1:128:A:ILE:HD13	20	0.14
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD11	20	0.14
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD12	20	0.14
(1,1186)	1:128:A:ILE:HG23	1:128:A:ILE:HD13	20	0.14
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	3	0.14
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	3	0.14
(1,1167)	1:126:A:SER:H	1:127:A:SER:H	9	0.14
(1,1162)	1:125:A:VAL:H	1:126:A:SER:H	11	0.14
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	8	0.14
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	8	0.14
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	8	0.14
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	8	0.14
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	8	0.14
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	8	0.14
(1,1159)	1:125:A:VAL:H	1:125:A:VAL:HA	1	0.14
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	4	0.14
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	4	0.14
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	4	0.14
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	4	0.14
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	20	0.14
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	20	0.14
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	20	0.14
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	20	0.14
(1,1126)	1:116:A:VAL:HB	1:117:A:CYS:H	5	0.14
(1,1124)	1:116:A:VAL:H	1:117:A:CYS:H	1	0.14
(1,1124)	1:116:A:VAL:H	1:117:A:CYS:H	13	0.14
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	11	0.14
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	11	0.14
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	9	0.14
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	20	0.14
(1,1100)	1:111:A:LEU:HB2	1:112:A:LEU:H	20	0.14
(1,1100)	1:111:A:LEU:HB3	1:112:A:LEU:H	20	0.14
(1,1096)	1:111:A:LEU:H	1:112:A:LEU:H	18	0.14
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	8	0.14
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	8	0.14
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG12	11	0.14
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG13	11	0.14
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB2	12	0.14
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB3	12	0.14
(1,1037)	1:102:A:MET:HB2	1:103:A:PHE:H	7	0.14
(1,1037)	1:102:A:MET:HB3	1:103:A:PHE:H	7	0.14
(1,1035)	1:102:A:MET:H	1:102:A:MET:HG2	1	0.14
(1,1035)	1:102:A:MET:H	1:102:A:MET:HG3	1	0.14
(1,1034)	1:102:A:MET:H	1:102:A:MET:HB2	9	0.14
(1,1034)	1:102:A:MET:H	1:102:A:MET:HB3	9	0.14
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG2	12	0.14
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG3	12	0.14
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG2	16	0.14
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG3	16	0.14
(1,995)	1:94:A:ASP:HB2	1:95:A:TYR:H	6	0.14
(1,995)	1:94:A:ASP:HB3	1:95:A:TYR:H	6	0.14
(1,995)	1:94:A:ASP:HB2	1:95:A:TYR:H	16	0.14
(1,995)	1:94:A:ASP:HB3	1:95:A:TYR:H	16	0.14
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	7	0.14
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	19	0.14
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	19	0.14
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	9	0.14
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	19	0.14
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	19	0.14
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	19	0.14
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	19	0.14
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	19	0.14
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	19	0.14
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	11	0.14
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	13	0.14
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	18	0.14
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	20	0.14
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	10	0.14
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	10	0.14
(1,955)	1:87:A:LYS:HB2	1:88:A:VAL:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,955)	1:87:A:LYS:HB3	1:88:A:VAL:H	10	0.14
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	5	0.14
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	13	0.14
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	18	0.14
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB1	3	0.14
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB2	3	0.14
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB3	3	0.14
(1,940)	1:84:A:ALA:H	1:84:A:ALA:HA	3	0.14
(1,940)	1:84:A:ALA:H	1:84:A:ALA:HA	7	0.14
(1,939)	1:83:A:VAL:HG11	1:84:A:ALA:H	2	0.14
(1,939)	1:83:A:VAL:HG12	1:84:A:ALA:H	2	0.14
(1,939)	1:83:A:VAL:HG13	1:84:A:ALA:H	2	0.14
(1,939)	1:83:A:VAL:HG21	1:84:A:ALA:H	2	0.14
(1,939)	1:83:A:VAL:HG22	1:84:A:ALA:H	2	0.14
(1,939)	1:83:A:VAL:HG23	1:84:A:ALA:H	2	0.14
(1,939)	1:83:A:VAL:HG11	1:84:A:ALA:H	4	0.14
(1,939)	1:83:A:VAL:HG12	1:84:A:ALA:H	4	0.14
(1,939)	1:83:A:VAL:HG13	1:84:A:ALA:H	4	0.14
(1,939)	1:83:A:VAL:HG21	1:84:A:ALA:H	4	0.14
(1,939)	1:83:A:VAL:HG22	1:84:A:ALA:H	4	0.14
(1,939)	1:83:A:VAL:HG23	1:84:A:ALA:H	4	0.14
(1,939)	1:83:A:VAL:HG11	1:84:A:ALA:H	17	0.14
(1,939)	1:83:A:VAL:HG12	1:84:A:ALA:H	17	0.14
(1,939)	1:83:A:VAL:HG13	1:84:A:ALA:H	17	0.14
(1,939)	1:83:A:VAL:HG21	1:84:A:ALA:H	17	0.14
(1,939)	1:83:A:VAL:HG22	1:84:A:ALA:H	17	0.14
(1,939)	1:83:A:VAL:HG23	1:84:A:ALA:H	17	0.14
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	17	0.14
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	17	0.14
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	17	0.14
(1,902)	1:69:A:GLY:H	1:69:A:GLY:HA2	2	0.14
(1,902)	1:69:A:GLY:H	1:69:A:GLY:HA3	2	0.14
(1,890)	1:65:A:TYR:H	1:66:A:TYR:H	4	0.14
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD11	2	0.14
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD12	2	0.14
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD13	2	0.14
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD21	2	0.14
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD22	2	0.14
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD23	2	0.14
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD11	13	0.14
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD12	13	0.14
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD13	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD21	13	0.14
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD22	13	0.14
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD23	13	0.14
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	14	0.14
(1,861)	1:61:A:ILE:H	1:61:A:ILE:HG12	19	0.14
(1,861)	1:61:A:ILE:H	1:61:A:ILE:HG13	19	0.14
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG2	6	0.14
(1,850)	1:60:A:LYS:H	1:60:A:LYS:HG3	6	0.14
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB2	2	0.14
(1,835)	1:57:A:CYS:H	1:57:A:CYS:HB3	2	0.14
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	9	0.14
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD2	3	0.14
(1,822)	1:52:A:ARG:H	1:52:A:ARG:HD3	3	0.14
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	6	0.14
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	6	0.14
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	6	0.14
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	6	0.14
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	6	0.14
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	6	0.14
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	7	0.14
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	7	0.14
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	7	0.14
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	7	0.14
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	7	0.14
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	7	0.14
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	7	0.14
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	12	0.14
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	15	0.14
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	18	0.14
(1,801)	1:48:A:SER:HB2	1:49:A:ARG:H	5	0.14
(1,801)	1:48:A:SER:HB3	1:49:A:ARG:H	5	0.14
(1,796)	1:48:A:SER:H	1:48:A:SER:HA	8	0.14
(1,780)	1:46:A:ASP:H	1:47:A:ILE:H	20	0.14
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG2	18	0.14
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG3	18	0.14
(1,758)	1:38:A:ALA:HB1	1:39:A:HIS:H	10	0.14
(1,758)	1:38:A:ALA:HB2	1:39:A:HIS:H	10	0.14
(1,758)	1:38:A:ALA:HB3	1:39:A:HIS:H	10	0.14
(1,746)	1:36:A:ASP:HB2	1:37:A:LEU:H	4	0.14
(1,746)	1:36:A:ASP:HB3	1:37:A:LEU:H	4	0.14
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	15	0.14
(1,737)	1:35:A:VAL:H	1:35:A:VAL:HA	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,729)	1:34:A:ILE:H	1:35:A:VAL:H	20	0.14
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	10	0.14
(1,712)	1:32:A:GLN:H	1:33:A:ARG:H	2	0.14
(1,712)	1:32:A:GLN:H	1:33:A:ARG:H	19	0.14
(1,711)	1:32:A:GLN:H	1:32:A:GLN:HG2	2	0.14
(1,711)	1:32:A:GLN:H	1:32:A:GLN:HG3	2	0.14
(1,707)	1:31:A:ARG:H	1:32:A:GLN:H	2	0.14
(1,707)	1:31:A:ARG:H	1:32:A:GLN:H	20	0.14
(1,702)	1:30:A:VAL:H	1:31:A:ARG:H	7	0.14
(1,702)	1:30:A:VAL:H	1:31:A:ARG:H	17	0.14
(1,694)	1:29:A:VAL:H	1:29:A:VAL:HB	2	0.14
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	13	0.14
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	13	0.14
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	16	0.14
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	16	0.14
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB2	10	0.14
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB3	10	0.14
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	8	0.14
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB2	16	0.14
(1,673)	1:20:A:PHE:H	1:20:A:PHE:HB3	16	0.14
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB2	7	0.14
(1,660)	1:13:A:LEU:H	1:13:A:LEU:HB3	7	0.14
(1,619)	1:136:A:VAL:H	1:137:A:GLN:H	8	0.14
(1,619)	1:136:A:VAL:H	1:137:A:GLN:H	12	0.14
(1,564)	1:128:A:ILE:HB	1:129:A:ASN:H	15	0.14
(1,481)	1:111:A:LEU:HA	1:111:A:LEU:HG	3	0.14
(1,293)	1:73:A:PRO:HA	1:74:A:GLY:H	11	0.14
(1,293)	1:73:A:PRO:HA	1:74:A:GLY:H	12	0.14
(1,279)	1:70:A:SER:HA	1:72:A:ARG:H	15	0.14
(1,272)	1:68:A:THR:H	1:69:A:GLY:H	11	0.14
(1,248)	1:63:A:GLY:H	1:64:A:ARG:H	20	0.14
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	11	0.14
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	12	0.14
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	14	0.14
(1,111)	1:37:A:LEU:HA	1:40:A:GLN:H	20	0.14
(1,62)	1:30:A:VAL:HA	1:34:A:ILE:H	11	0.14
(1,20)	1:16:A:LEU:HA	1:17:A:GLY:H	8	0.14
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	2	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	2	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	3	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	3	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	4	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	5	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	5	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	6	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	6	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	7	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	7	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	8	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	8	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	9	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	9	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	12	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	12	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	15	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	15	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA2	19	0.13
(1,1257)	1:151:A:GLY:H	1:151:A:GLY:HA3	19	0.13
(1,1252)	1:146:A:SER:H	1:146:A:SER:HA	7	0.13
(1,1252)	1:146:A:SER:H	1:146:A:SER:HA	18	0.13
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD2	19	0.13
(1,1227)	1:135:A:LYS:H	1:135:A:LYS:HD3	19	0.13
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG2	13	0.13
(1,1217)	1:133:A:ARG:H	1:133:A:ARG:HG3	13	0.13
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG12	6	0.13
(1,1203)	1:131:A:ILE:H	1:131:A:ILE:HG13	6	0.13
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG2	9	0.13
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG3	9	0.13
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG12	6	0.13
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG13	6	0.13
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB2	12	0.13
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB3	12	0.13
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	9	0.13
(1,1126)	1:116:A:VAL:HB	1:117:A:CYS:H	19	0.13
(1,1124)	1:116:A:VAL:H	1:117:A:CYS:H	15	0.13
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	19	0.13
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	6	0.13
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	11	0.13
(1,1103)	1:112:A:LEU:H	1:112:A:LEU:HB2	3	0.13
(1,1103)	1:112:A:LEU:H	1:112:A:LEU:HB3	3	0.13
(1,1103)	1:112:A:LEU:H	1:112:A:LEU:HB2	8	0.13
(1,1103)	1:112:A:LEU:H	1:112:A:LEU:HB3	8	0.13
(1,1100)	1:111:A:LEU:HB2	1:112:A:LEU:H	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1100)	1:111:A:LEU:HB3	1:112:A:LEU:H	18	0.13
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB2	17	0.13
(1,1093)	1:111:A:LEU:H	1:111:A:LEU:HB3	17	0.13
(1,1089)	1:110:A:ARG:H	1:110:A:ARG:HB2	18	0.13
(1,1089)	1:110:A:ARG:H	1:110:A:ARG:HB3	18	0.13
(1,1089)	1:110:A:ARG:H	1:110:A:ARG:HB2	19	0.13
(1,1089)	1:110:A:ARG:H	1:110:A:ARG:HB3	19	0.13
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD11	18	0.13
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD12	18	0.13
(1,1073)	1:107:A:ILE:HG21	1:107:A:ILE:HD13	18	0.13
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD11	18	0.13
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD12	18	0.13
(1,1073)	1:107:A:ILE:HG22	1:107:A:ILE:HD13	18	0.13
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD11	18	0.13
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD12	18	0.13
(1,1073)	1:107:A:ILE:HG23	1:107:A:ILE:HD13	18	0.13
(1,1062)	1:106:A:GLU:HA	1:109:A:ASP:H	7	0.13
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB2	1	0.13
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB3	1	0.13
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB2	3	0.13
(1,1056)	1:105:A:TRP:H	1:105:A:TRP:HB3	3	0.13
(1,1032)	1:101:A:THR:HA	1:102:A:MET:H	8	0.13
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB2	5	0.13
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB3	5	0.13
(1,1023)	1:98:A:GLN:HB2	1:99:A:ASN:H	16	0.13
(1,1023)	1:98:A:GLN:HB3	1:99:A:ASN:H	16	0.13
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	8	0.13
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	8	0.13
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	8	0.13
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	8	0.13
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE21	8	0.13
(1,1022)	1:98:A:GLN:HB2	1:98:A:GLN:HE22	8	0.13
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	8	0.13
(1,1022)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	8	0.13
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG2	4	0.13
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG3	4	0.13
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG2	9	0.13
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG3	9	0.13
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG2	11	0.13
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG3	11	0.13
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG2	3	0.13
(1,1013)	1:97:A:ARG:H	1:97:A:ARG:HG3	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1003)	1:95:A:TYR:HA	1:98:A:GLN:H	5	0.13
(1,990)	1:92:A:ILE:HB	1:93:A:GLY:H	17	0.13
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG2	8	0.13
(1,975)	1:91:A:LYS:H	1:91:A:LYS:HG3	8	0.13
(1,971)	1:90:A:GLU:H	1:91:A:LYS:H	1	0.13
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	18	0.13
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	18	0.13
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	18	0.13
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	18	0.13
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	18	0.13
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	18	0.13
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	17	0.13
(1,960)	1:88:A:VAL:HA	1:88:A:VAL:HB	8	0.13
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	1	0.13
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	1	0.13
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	1	0.13
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	1	0.13
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	1	0.13
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	1	0.13
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	13	0.13
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	13	0.13
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	13	0.13
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	13	0.13
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	13	0.13
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	13	0.13
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	4	0.13
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	1	0.13
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	7	0.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	2	0.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	2	0.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	2	0.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	2	0.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	2	0.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	2	0.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG11	2	0.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG12	2	0.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG13	2	0.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG21	2	0.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG22	2	0.13
(1,946)	1:85:A:THR:H	1:88:A:VAL:HG23	2	0.13
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB1	6	0.13
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB3	6	0.13
(1,940)	1:84:A:ALA:H	1:84:A:ALA:HA	15	0.13
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	9	0.13
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	9	0.13
(1,927)	1:76:A:ILE:HG21	1:77:A:GLY:H	9	0.13
(1,927)	1:76:A:ILE:HG22	1:77:A:GLY:H	9	0.13
(1,927)	1:76:A:ILE:HG23	1:77:A:GLY:H	9	0.13
(1,923)	1:76:A:ILE:H	1:76:A:ILE:HG12	15	0.13
(1,923)	1:76:A:ILE:H	1:76:A:ILE:HG13	15	0.13
(1,923)	1:76:A:ILE:H	1:76:A:ILE:HG12	15	0.13
(1,923)	1:76:A:ILE:H	1:76:A:ILE:HG13	15	0.13
(1,894)	1:66:A:TYR:HA	1:67:A:GLU:H	18	0.13
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB2	5	0.13
(1,892)	1:66:A:TYR:H	1:66:A:TYR:HB3	5	0.13
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	4	0.13
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	4	0.13
(1,875)	1:62:A:LEU:HB2	1:63:A:GLY:H	4	0.13
(1,875)	1:62:A:LEU:HB3	1:63:A:GLY:H	4	0.13
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD11	14	0.13
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD12	14	0.13
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD13	14	0.13
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD21	14	0.13
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD22	14	0.13
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD23	14	0.13
(1,872)	1:62:A:LEU:H	1:63:A:GLY:H	4	0.13
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG21	13	0.13
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG22	13	0.13
(1,866)	1:61:A:ILE:HA	1:61:A:ILE:HG23	13	0.13
(1,846)	1:58:A:VAL:HB	1:59:A:SER:H	10	0.13
(1,837)	1:57:A:CYS:H	1:58:A:VAL:H	9	0.13
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	11	0.13
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	11	0.13
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD11	18	0.13
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD12	18	0.13
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD13	18	0.13
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD21	18	0.13
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD22	18	0.13
(1,819)	1:51:A:LEU:HA	1:51:A:LEU:HD23	18	0.13
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG2	14	0.13
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG3	14	0.13
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG2	17	0.13
(1,805)	1:49:A:ARG:H	1:49:A:ARG:HG3	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:49:A:ARG:H	1:49:A:ARG:HG2	3	0.13
(1,803)	1:49:A:ARG:H	1:49:A:ARG:HG3	3	0.13
(1,798)	1:48:A:SER:H	1:49:A:ARG:H	18	0.13
(1,792)	1:47:A:ILE:HB	1:48:A:SER:H	4	0.13
(1,779)	1:46:A:ASP:H	1:46:A:ASP:HB2	2	0.13
(1,779)	1:46:A:ASP:H	1:46:A:ASP:HB3	2	0.13
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG2	17	0.13
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG3	17	0.13
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	2	0.13
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	4	0.13
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	5	0.13
(1,702)	1:30:A:VAL:H	1:31:A:ARG:H	4	0.13
(1,702)	1:30:A:VAL:H	1:31:A:ARG:H	12	0.13
(1,702)	1:30:A:VAL:H	1:31:A:ARG:H	15	0.13
(1,702)	1:30:A:VAL:H	1:31:A:ARG:H	19	0.13
(1,699)	1:30:A:VAL:H	1:30:A:VAL:HA	1	0.13
(1,696)	1:29:A:VAL:H	1:30:A:VAL:H	9	0.13
(1,696)	1:29:A:VAL:H	1:30:A:VAL:H	15	0.13
(1,694)	1:29:A:VAL:H	1:29:A:VAL:HB	8	0.13
(1,682)	1:24:A:ARG:H	1:24:A:ARG:HA	6	0.13
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB2	15	0.13
(1,679)	1:21:A:VAL:H	1:24:A:ARG:HB3	15	0.13
(1,667)	1:15:A:GLN:HB2	1:16:A:LEU:H	7	0.13
(1,667)	1:15:A:GLN:HB3	1:16:A:LEU:H	7	0.13
(1,667)	1:15:A:GLN:HB2	1:16:A:LEU:H	7	0.13
(1,667)	1:15:A:GLN:HB3	1:16:A:LEU:H	7	0.13
(1,564)	1:128:A:ILE:HB	1:129:A:ASN:H	3	0.13
(1,564)	1:128:A:ILE:HB	1:129:A:ASN:H	9	0.13
(1,521)	1:117:A:CYS:HG	1:122:A:VAL:H	14	0.13
(1,481)	1:111:A:LEU:HA	1:111:A:LEU:HG	20	0.13
(1,306)	1:76:A:ILE:HB	1:77:A:GLY:H	2	0.13
(1,294)	1:74:A:GLY:H	1:75:A:VAL:H	16	0.13
(1,259)	1:65:A:TYR:H	1:66:A:TYR:H	18	0.13
(1,248)	1:63:A:GLY:H	1:64:A:ARG:H	3	0.13
(1,240)	1:61:A:ILE:HB	1:62:A:LEU:H	8	0.13
(1,200)	1:53:A:VAL:HA	1:54:A:SER:H	8	0.13
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	1	0.13
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	4	0.13
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	9	0.13
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	18	0.13
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	20	0.13
(2,37)	1:64:A:ARG:H	1:67:A:GLU:HA	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1253)	1:146:A:SER:HA	1:147:A:GLY:H	1	0.12
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD11	13	0.12
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD12	13	0.12
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD13	13	0.12
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD21	13	0.12
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD22	13	0.12
(1,1250)	1:142:A:LEU:H	1:142:A:LEU:HD23	13	0.12
(1,1242)	1:139:A:PRO:HB2	1:140:A:PHE:H	19	0.12
(1,1242)	1:139:A:PRO:HB3	1:140:A:PHE:H	19	0.12
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	5	0.12
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	5	0.12
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG12	17	0.12
(1,1176)	1:128:A:ILE:H	1:128:A:ILE:HG13	17	0.12
(1,1167)	1:126:A:SER:H	1:127:A:SER:H	8	0.12
(1,1162)	1:125:A:VAL:H	1:126:A:SER:H	17	0.12
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG11	7	0.12
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG12	7	0.12
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG13	7	0.12
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG21	7	0.12
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG22	7	0.12
(1,1161)	1:125:A:VAL:H	1:125:A:VAL:HG23	7	0.12
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB2	9	0.12
(1,1140)	1:119:A:ASN:H	1:119:A:ASN:HB3	9	0.12
(1,1139)	1:119:A:ASN:H	1:119:A:ASN:HA	10	0.12
(1,1130)	1:117:A:CYS:HG	1:122:A:VAL:H	17	0.12
(1,1121)	1:115:A:GLY:HA2	1:116:A:VAL:H	11	0.12
(1,1121)	1:115:A:GLY:HA3	1:116:A:VAL:H	11	0.12
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	2	0.12
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	6	0.12
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	7	0.12
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	16	0.12
(1,1103)	1:112:A:LEU:H	1:112:A:LEU:HB2	7	0.12
(1,1103)	1:112:A:LEU:H	1:112:A:LEU:HB3	7	0.12
(1,1103)	1:112:A:LEU:H	1:112:A:LEU:HB2	11	0.12
(1,1103)	1:112:A:LEU:H	1:112:A:LEU:HB3	11	0.12
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	14	0.12
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	14	0.12
(1,1094)	1:111:A:LEU:H	1:111:A:LEU:HG	1	0.12
(1,1090)	1:110:A:ARG:H	1:111:A:LEU:H	3	0.12
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	13	0.12
(1,1086)	1:109:A:ASP:HA	1:112:A:LEU:H	15	0.12
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD11	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD12	7	0.12
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD13	7	0.12
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD21	7	0.12
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD22	7	0.12
(1,1080)	1:108:A:ARG:HA	1:111:A:LEU:HD23	7	0.12
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG12	16	0.12
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG13	16	0.12
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG12	10	0.12
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG13	10	0.12
(1,1060)	1:106:A:GLU:H	1:107:A:ILE:H	18	0.12
(1,1054)	1:105:A:TRP:H	1:105:A:TRP:HD1	7	0.12
(1,1053)	1:105:A:TRP:H	1:105:A:TRP:HB2	2	0.12
(1,1053)	1:105:A:TRP:H	1:105:A:TRP:HB3	2	0.12
(1,1049)	1:104:A:ALA:HB1	1:105:A:TRP:H	4	0.12
(1,1049)	1:104:A:ALA:HB2	1:105:A:TRP:H	4	0.12
(1,1049)	1:104:A:ALA:HB3	1:105:A:TRP:H	4	0.12
(1,1041)	1:103:A:PHE:H	1:103:A:PHE:HA	1	0.12
(1,1027)	1:101:A:THR:H	1:101:A:THR:HA	14	0.12
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG2	5	0.12
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG3	5	0.12
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG2	12	0.12
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG3	12	0.12
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD11	20	0.12
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD12	20	0.12
(1,1012)	1:96:A:LYS:HG2	1:107:A:ILE:HD13	20	0.12
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD11	20	0.12
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD12	20	0.12
(1,1012)	1:96:A:LYS:HG3	1:107:A:ILE:HD13	20	0.12
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	1	0.12
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	1	0.12
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB2	5	0.12
(1,997)	1:95:A:TYR:H	1:95:A:TYR:HB3	5	0.12
(1,995)	1:94:A:ASP:HB2	1:95:A:TYR:H	4	0.12
(1,995)	1:94:A:ASP:HB3	1:95:A:TYR:H	4	0.12
(1,995)	1:94:A:ASP:HB2	1:95:A:TYR:H	7	0.12
(1,995)	1:94:A:ASP:HB3	1:95:A:TYR:H	7	0.12
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD11	1	0.12
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD12	1	0.12
(1,991)	1:92:A:ILE:HG21	1:92:A:ILE:HD13	1	0.12
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD11	1	0.12
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD12	1	0.12
(1,991)	1:92:A:ILE:HG22	1:92:A:ILE:HD13	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD11	1	0.12
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD12	1	0.12
(1,991)	1:92:A:ILE:HG23	1:92:A:ILE:HD13	1	0.12
(1,966)	1:89:A:VAL:H	1:90:A:GLU:H	19	0.12
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	16	0.12
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	16	0.12
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	16	0.12
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	16	0.12
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	16	0.12
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	16	0.12
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	1	0.12
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	14	0.12
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB1	7	0.12
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB2	7	0.12
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB3	7	0.12
(1,940)	1:84:A:ALA:H	1:84:A:ALA:HA	4	0.12
(1,940)	1:84:A:ALA:H	1:84:A:ALA:HA	16	0.12
(1,940)	1:84:A:ALA:H	1:84:A:ALA:HA	17	0.12
(1,939)	1:83:A:VAL:HG11	1:84:A:ALA:H	3	0.12
(1,939)	1:83:A:VAL:HG12	1:84:A:ALA:H	3	0.12
(1,939)	1:83:A:VAL:HG13	1:84:A:ALA:H	3	0.12
(1,939)	1:83:A:VAL:HG21	1:84:A:ALA:H	3	0.12
(1,939)	1:83:A:VAL:HG22	1:84:A:ALA:H	3	0.12
(1,939)	1:83:A:VAL:HG23	1:84:A:ALA:H	3	0.12
(1,939)	1:83:A:VAL:HG11	1:84:A:ALA:H	8	0.12
(1,939)	1:83:A:VAL:HG12	1:84:A:ALA:H	8	0.12
(1,939)	1:83:A:VAL:HG13	1:84:A:ALA:H	8	0.12
(1,939)	1:83:A:VAL:HG21	1:84:A:ALA:H	8	0.12
(1,939)	1:83:A:VAL:HG22	1:84:A:ALA:H	8	0.12
(1,939)	1:83:A:VAL:HG23	1:84:A:ALA:H	8	0.12
(1,909)	1:71:A:ILE:H	1:71:A:ILE:HA	13	0.12
(1,909)	1:71:A:ILE:H	1:71:A:ILE:HA	14	0.12
(1,904)	1:70:A:SER:H	1:70:A:SER:HA	9	0.12
(1,901)	1:68:A:THR:HA	1:69:A:GLY:H	1	0.12
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD2	17	0.12
(1,881)	1:64:A:ARG:HA	1:64:A:ARG:HD3	17	0.12
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	7	0.12
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	19	0.12
(1,841)	1:58:A:VAL:H	1:58:A:VAL:HB	20	0.12
(1,830)	1:53:A:VAL:HA	1:54:A:SER:H	2	0.12
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	5	0.12
(1,803)	1:49:A:ARG:H	1:49:A:ARG:HG2	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:49:A:ARG:H	1:49:A:ARG:HG3	18	0.12
(1,801)	1:48:A:SER:HB2	1:49:A:ARG:H	3	0.12
(1,801)	1:48:A:SER:HB3	1:49:A:ARG:H	3	0.12
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	6	0.12
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	12	0.12
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	14	0.12
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	16	0.12
(1,732)	1:34:A:ILE:HB	1:35:A:VAL:H	4	0.12
(1,729)	1:34:A:ILE:H	1:35:A:VAL:H	1	0.12
(1,712)	1:32:A:GLN:H	1:33:A:ARG:H	18	0.12
(1,702)	1:30:A:VAL:H	1:31:A:ARG:H	13	0.12
(1,696)	1:29:A:VAL:H	1:30:A:VAL:H	19	0.12
(1,694)	1:29:A:VAL:H	1:29:A:VAL:HB	11	0.12
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	7	0.12
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	7	0.12
(1,691)	1:27:A:PRO:HA	1:28:A:GLU:H	8	0.12
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG11	5	0.12
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG12	5	0.12
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG13	5	0.12
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG21	5	0.12
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG22	5	0.12
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG23	5	0.12
(1,619)	1:136:A:VAL:H	1:137:A:GLN:H	13	0.12
(1,617)	1:136:A:VAL:H	1:136:A:VAL:HB	16	0.12
(1,481)	1:111:A:LEU:HA	1:111:A:LEU:HG	6	0.12
(1,477)	1:111:A:LEU:H	1:111:A:LEU:HG	14	0.12
(1,442)	1:105:A:TRP:H	1:105:A:TRP:HZ2	10	0.12
(1,332)	1:83:A:VAL:HB	1:84:A:ALA:H	15	0.12
(1,332)	1:83:A:VAL:HB	1:84:A:ALA:H	20	0.12
(1,293)	1:73:A:PRO:HA	1:74:A:GLY:H	3	0.12
(1,293)	1:73:A:PRO:HA	1:74:A:GLY:H	9	0.12
(1,200)	1:53:A:VAL:HA	1:54:A:SER:H	12	0.12
(1,200)	1:53:A:VAL:HA	1:54:A:SER:H	17	0.12
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	7	0.12
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	13	0.12
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	15	0.12
(1,149)	1:45:A:CYS:HA	1:46:A:ASP:H	16	0.12
(1,111)	1:37:A:LEU:HA	1:40:A:GLN:H	3	0.12
(1,111)	1:37:A:LEU:HA	1:40:A:GLN:H	7	0.12
(1,111)	1:37:A:LEU:HA	1:40:A:GLN:H	9	0.12
(2,18)	1:37:A:LEU:HG	1:42:A:VAL:H	17	0.11
(1,1252)	1:146:A:SER:H	1:146:A:SER:HA	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1252)	1:146:A:SER:H	1:146:A:SER:HA	12	0.11
(1,1252)	1:146:A:SER:H	1:146:A:SER:HA	14	0.11
(1,1221)	1:134:A:THR:H	1:134:A:THR:HG21	14	0.11
(1,1221)	1:134:A:THR:H	1:134:A:THR:HG22	14	0.11
(1,1221)	1:134:A:THR:H	1:134:A:THR:HG23	14	0.11
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG2	15	0.11
(1,1197)	1:130:A:ARG:H	1:130:A:ARG:HG3	15	0.11
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG12	1	0.11
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG13	1	0.11
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG12	19	0.11
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG13	19	0.11
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG12	20	0.11
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG13	20	0.11
(1,1167)	1:126:A:SER:H	1:127:A:SER:H	15	0.11
(1,1162)	1:125:A:VAL:H	1:126:A:SER:H	18	0.11
(1,1162)	1:125:A:VAL:H	1:126:A:SER:H	19	0.11
(1,1160)	1:125:A:VAL:H	1:125:A:VAL:HB	14	0.11
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG21	14	0.11
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG22	14	0.11
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG23	14	0.11
(1,1124)	1:116:A:VAL:H	1:117:A:CYS:H	11	0.11
(1,1121)	1:115:A:GLY:HA2	1:116:A:VAL:H	10	0.11
(1,1121)	1:115:A:GLY:HA3	1:116:A:VAL:H	10	0.11
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	12	0.11
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	12	0.11
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	17	0.11
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	17	0.11
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB2	20	0.11
(1,1115)	1:114:A:GLU:H	1:114:A:GLU:HB3	20	0.11
(1,1110)	1:113:A:ALA:H	1:114:A:GLU:H	11	0.11
(1,1106)	1:112:A:LEU:H	1:113:A:ALA:H	9	0.11
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	2	0.11
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	2	0.11
(1,1102)	1:111:A:LEU:HB2	1:112:A:LEU:H	6	0.11
(1,1102)	1:111:A:LEU:HB3	1:112:A:LEU:H	6	0.11
(1,1100)	1:111:A:LEU:HB2	1:112:A:LEU:H	17	0.11
(1,1100)	1:111:A:LEU:HB3	1:112:A:LEU:H	17	0.11
(1,1089)	1:110:A:ARG:H	1:110:A:ARG:HB2	9	0.11
(1,1089)	1:110:A:ARG:H	1:110:A:ARG:HB3	9	0.11
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG12	4	0.11
(1,1068)	1:107:A:ILE:H	1:107:A:ILE:HG13	4	0.11
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG12	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1066)	1:107:A:ILE:H	1:107:A:ILE:HG13	1	0.11
(1,1065)	1:107:A:ILE:H	1:107:A:ILE:HB	15	0.11
(1,1057)	1:105:A:TRP:H	1:106:A:GLU:H	10	0.11
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG2	2	0.11
(1,1036)	1:102:A:MET:HA	1:102:A:MET:HG3	2	0.11
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB2	9	0.11
(1,1025)	1:99:A:ASN:H	1:99:A:ASN:HB3	9	0.11
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG2	15	0.11
(1,1019)	1:98:A:GLN:H	1:98:A:GLN:HG3	15	0.11
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD2	5	0.11
(1,1010)	1:96:A:LYS:HA	1:96:A:LYS:HD3	5	0.11
(1,995)	1:94:A:ASP:HB2	1:95:A:TYR:H	2	0.11
(1,995)	1:94:A:ASP:HB3	1:95:A:TYR:H	2	0.11
(1,974)	1:91:A:LYS:H	1:91:A:LYS:HA	4	0.11
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG11	17	0.11
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG12	17	0.11
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG13	17	0.11
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG21	17	0.11
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG22	17	0.11
(1,965)	1:89:A:VAL:H	1:89:A:VAL:HG23	17	0.11
(1,963)	1:89:A:VAL:H	1:89:A:VAL:HA	19	0.11
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	8	0.11
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	8	0.11
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	8	0.11
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	8	0.11
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	8	0.11
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	8	0.11
(1,957)	1:88:A:VAL:H	1:88:A:VAL:HB	5	0.11
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	6	0.11
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	8	0.11
(1,949)	1:87:A:LYS:H	1:87:A:LYS:HA	20	0.11
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB1	15	0.11
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB2	15	0.11
(1,941)	1:84:A:ALA:H	1:84:A:ALA:HB3	15	0.11
(1,940)	1:84:A:ALA:H	1:84:A:ALA:HA	10	0.11
(1,940)	1:84:A:ALA:H	1:84:A:ALA:HA	20	0.11
(1,929)	1:79:A:SER:HB2	1:80:A:LYS:H	6	0.11
(1,929)	1:79:A:SER:HB3	1:80:A:LYS:H	6	0.11
(1,909)	1:71:A:ILE:H	1:71:A:ILE:HA	15	0.11
(1,904)	1:70:A:SER:H	1:70:A:SER:HA	5	0.11
(1,904)	1:70:A:SER:H	1:70:A:SER:HA	17	0.11
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	9	0.11
(1,884)	1:64:A:ARG:HB2	1:65:A:TYR:H	14	0.11
(1,884)	1:64:A:ARG:HB3	1:65:A:TYR:H	14	0.11
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD2	5	0.11
(1,883)	1:64:A:ARG:HB2	1:64:A:ARG:HD3	5	0.11
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD2	5	0.11
(1,883)	1:64:A:ARG:HB3	1:64:A:ARG:HD3	5	0.11
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD11	5	0.11
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD12	5	0.11
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD13	5	0.11
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD21	5	0.11
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD22	5	0.11
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD23	5	0.11
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD11	9	0.11
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD12	9	0.11
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD13	9	0.11
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD21	9	0.11
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD22	9	0.11
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD23	9	0.11
(1,867)	1:61:A:ILE:HB	1:62:A:LEU:H	3	0.11
(1,861)	1:61:A:ILE:H	1:61:A:ILE:HG12	11	0.11
(1,861)	1:61:A:ILE:H	1:61:A:ILE:HG13	11	0.11
(1,848)	1:59:A:SER:H	1:59:A:SER:HB2	20	0.11
(1,848)	1:59:A:SER:H	1:59:A:SER:HB3	20	0.11
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG11	12	0.11
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG12	12	0.11
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG13	12	0.11
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG21	12	0.11
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG22	12	0.11
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG23	12	0.11
(1,840)	1:58:A:VAL:H	1:58:A:VAL:HA	9	0.11
(1,831)	1:53:A:VAL:HB	1:54:A:SER:H	13	0.11
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG11	16	0.11
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG12	16	0.11
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG13	16	0.11
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG21	16	0.11
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG22	16	0.11
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG23	16	0.11
(1,825)	1:52:A:ARG:HA	1:53:A:VAL:H	8	0.11
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	13	0.11
(1,803)	1:49:A:ARG:H	1:49:A:ARG:HG2	11	0.11
(1,803)	1:49:A:ARG:H	1:49:A:ARG:HG3	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:47:A:ILE:H	1:47:A:ILE:HG12	13	0.11
(1,787)	1:47:A:ILE:H	1:47:A:ILE:HG13	13	0.11
(1,784)	1:47:A:ILE:H	1:47:A:ILE:HB	18	0.11
(1,782)	1:46:A:ASP:HB2	1:47:A:ILE:H	12	0.11
(1,782)	1:46:A:ASP:HB3	1:47:A:ILE:H	12	0.11
(1,780)	1:46:A:ASP:H	1:47:A:ILE:H	5	0.11
(1,780)	1:46:A:ASP:H	1:47:A:ILE:H	8	0.11
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG2	2	0.11
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG3	2	0.11
(1,772)	1:42:A:VAL:HG11	1:43:A:ARG:H	19	0.11
(1,772)	1:42:A:VAL:HG12	1:43:A:ARG:H	19	0.11
(1,772)	1:42:A:VAL:HG13	1:43:A:ARG:H	19	0.11
(1,772)	1:42:A:VAL:HG21	1:43:A:ARG:H	19	0.11
(1,772)	1:42:A:VAL:HG22	1:43:A:ARG:H	19	0.11
(1,772)	1:42:A:VAL:HG23	1:43:A:ARG:H	19	0.11
(1,742)	1:35:A:VAL:HB	1:36:A:ASP:H	13	0.11
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	1	0.11
(1,739)	1:35:A:VAL:H	1:36:A:ASP:H	7	0.11
(1,723)	1:33:A:ARG:HB2	1:34:A:ILE:H	18	0.11
(1,723)	1:33:A:ARG:HB3	1:34:A:ILE:H	18	0.11
(1,717)	1:33:A:ARG:H	1:34:A:ILE:H	5	0.11
(1,702)	1:30:A:VAL:H	1:31:A:ARG:H	9	0.11
(1,696)	1:29:A:VAL:H	1:30:A:VAL:H	6	0.11
(1,696)	1:29:A:VAL:H	1:30:A:VAL:H	10	0.11
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	4	0.11
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	4	0.11
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	15	0.11
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	15	0.11
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG2	18	0.11
(1,692)	1:28:A:GLU:HA	1:28:A:GLU:HG3	18	0.11
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB2	8	0.11
(1,683)	1:24:A:ARG:H	1:24:A:ARG:HB3	8	0.11
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG11	12	0.11
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG12	12	0.11
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG13	12	0.11
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG21	12	0.11
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG22	12	0.11
(1,678)	1:21:A:VAL:H	1:21:A:VAL:HG23	12	0.11
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG2	8	0.11
(1,666)	1:15:A:GLN:H	1:15:A:GLN:HG3	8	0.11
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB2	6	0.11
(1,663)	1:14:A:ASN:H	1:14:A:ASN:HB3	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,627)	1:137:A:GLN:HA	1:138:A:GLN:H	3	0.11
(1,617)	1:136:A:VAL:H	1:136:A:VAL:HB	11	0.11
(1,605)	1:134:A:THR:H	1:135:A:LYS:H	11	0.11
(1,564)	1:128:A:ILE:HB	1:129:A:ASN:H	1	0.11
(1,564)	1:128:A:ILE:HB	1:129:A:ASN:H	12	0.11
(1,521)	1:117:A:CYS:HG	1:122:A:VAL:H	8	0.11
(1,442)	1:105:A:TRP:H	1:105:A:TRP:HZ2	9	0.11
(1,364)	1:91:A:LYS:HA	1:95:A:TYR:H	18	0.11
(1,326)	1:83:A:VAL:H	1:83:A:VAL:HB	13	0.11
(1,293)	1:73:A:PRO:HA	1:74:A:GLY:H	17	0.11
(1,209)	1:57:A:CYS:H	1:58:A:VAL:HB	2	0.11
(1,206)	1:57:A:CYS:H	1:57:A:CYS:HG	2	0.11
(1,188)	1:51:A:LEU:H	1:52:A:ARG:HA	17	0.11
(1,149)	1:45:A:CYS:HA	1:46:A:ASP:H	2	0.11
(1,149)	1:45:A:CYS:HA	1:46:A:ASP:H	6	0.11
(1,149)	1:45:A:CYS:HA	1:46:A:ASP:H	13	0.11
(1,149)	1:45:A:CYS:HA	1:46:A:ASP:H	18	0.11
(1,149)	1:45:A:CYS:HA	1:46:A:ASP:H	20	0.11
(1,118)	1:38:A:ALA:HA	1:42:A:VAL:H	7	0.11
(1,1253)	1:146:A:SER:HA	1:147:A:GLY:H	16	0.1
(1,1252)	1:146:A:SER:H	1:146:A:SER:HA	3	0.1
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG2	15	0.1
(1,1251)	1:144:A:MET:H	1:144:A:MET:HG3	15	0.1
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG2	7	0.1
(1,1239)	1:137:A:GLN:H	1:137:A:GLN:HG3	7	0.1
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD11	1	0.1
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD12	1	0.1
(1,1182)	1:128:A:ILE:HA	1:131:A:ILE:HD13	1	0.1
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG12	16	0.1
(1,1174)	1:128:A:ILE:H	1:128:A:ILE:HG13	16	0.1
(1,1160)	1:125:A:VAL:H	1:125:A:VAL:HB	9	0.1
(1,1160)	1:125:A:VAL:H	1:125:A:VAL:HB	12	0.1
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG21	7	0.1
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG22	7	0.1
(1,1150)	1:121:A:THR:H	1:121:A:THR:HG23	7	0.1
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	7	0.1
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	7	0.1
(1,1148)	1:120:A:ASP:HB2	1:121:A:THR:H	7	0.1
(1,1148)	1:120:A:ASP:HB3	1:121:A:THR:H	7	0.1
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	3	0.1
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	3	0.1
(1,1138)	1:118:A:ASP:HB2	1:119:A:ASN:H	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1138)	1:118:A:ASP:HB3	1:119:A:ASN:H	3	0.1
(1,1121)	1:115:A:GLY:HA2	1:116:A:VAL:H	3	0.1
(1,1121)	1:115:A:GLY:HA3	1:116:A:VAL:H	3	0.1
(1,1103)	1:112:A:LEU:H	1:112:A:LEU:HB2	4	0.1
(1,1103)	1:112:A:LEU:H	1:112:A:LEU:HB3	4	0.1
(1,1103)	1:112:A:LEU:H	1:112:A:LEU:HB2	15	0.1
(1,1103)	1:112:A:LEU:H	1:112:A:LEU:HB3	15	0.1
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD2	12	0.1
(1,1081)	1:108:A:ARG:HB2	1:108:A:ARG:HD3	12	0.1
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD2	12	0.1
(1,1081)	1:108:A:ARG:HB3	1:108:A:ARG:HD3	12	0.1
(1,1072)	1:107:A:ILE:HB	1:108:A:ARG:H	9	0.1
(1,966)	1:89:A:VAL:H	1:90:A:GLU:H	11	0.1
(1,966)	1:89:A:VAL:H	1:90:A:GLU:H	13	0.1
(1,966)	1:89:A:VAL:H	1:90:A:GLU:H	17	0.1
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG11	3	0.1
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG12	3	0.1
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG13	3	0.1
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG21	3	0.1
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG22	3	0.1
(1,958)	1:88:A:VAL:H	1:88:A:VAL:HG23	3	0.1
(1,954)	1:87:A:LYS:HA	1:90:A:GLU:H	12	0.1
(1,905)	1:70:A:SER:H	1:70:A:SER:HB2	17	0.1
(1,905)	1:70:A:SER:H	1:70:A:SER:HB3	17	0.1
(1,890)	1:65:A:TYR:H	1:66:A:TYR:H	5	0.1
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD11	20	0.1
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD12	20	0.1
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD13	20	0.1
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD21	20	0.1
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD22	20	0.1
(1,873)	1:62:A:LEU:HA	1:62:A:LEU:HD23	20	0.1
(1,848)	1:59:A:SER:H	1:59:A:SER:HB2	1	0.1
(1,848)	1:59:A:SER:H	1:59:A:SER:HB3	1	0.1
(1,848)	1:59:A:SER:H	1:59:A:SER:HB2	3	0.1
(1,848)	1:59:A:SER:H	1:59:A:SER:HB3	3	0.1
(1,848)	1:59:A:SER:H	1:59:A:SER:HB2	9	0.1
(1,848)	1:59:A:SER:H	1:59:A:SER:HB3	9	0.1
(1,848)	1:59:A:SER:H	1:59:A:SER:HB2	18	0.1
(1,848)	1:59:A:SER:H	1:59:A:SER:HB3	18	0.1
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG11	4	0.1
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG12	4	0.1
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG13	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG21	4	0.1
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG22	4	0.1
(1,842)	1:58:A:VAL:H	1:58:A:VAL:HG23	4	0.1
(1,840)	1:58:A:VAL:H	1:58:A:VAL:HA	3	0.1
(1,837)	1:57:A:CYS:H	1:58:A:VAL:H	10	0.1
(1,833)	1:55:A:HIS:HA	1:58:A:VAL:HB	2	0.1
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG11	6	0.1
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG12	6	0.1
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG13	6	0.1
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG21	6	0.1
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG22	6	0.1
(1,829)	1:53:A:VAL:H	1:53:A:VAL:HG23	6	0.1
(1,817)	1:51:A:LEU:H	1:52:A:ARG:H	10	0.1
(1,785)	1:47:A:ILE:H	1:47:A:ILE:HG12	13	0.1
(1,785)	1:47:A:ILE:H	1:47:A:ILE:HG13	13	0.1
(1,779)	1:46:A:ASP:H	1:46:A:ASP:HB2	1	0.1
(1,779)	1:46:A:ASP:H	1:46:A:ASP:HB3	1	0.1
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG2	16	0.1
(1,776)	1:43:A:ARG:H	1:43:A:ARG:HG3	16	0.1
(1,732)	1:34:A:ILE:HB	1:35:A:VAL:H	6	0.1
(1,729)	1:34:A:ILE:H	1:35:A:VAL:H	12	0.1
(1,699)	1:30:A:VAL:H	1:30:A:VAL:HA	3	0.1
(1,699)	1:30:A:VAL:H	1:30:A:VAL:HA	8	0.1
(1,696)	1:29:A:VAL:H	1:30:A:VAL:H	17	0.1
(1,619)	1:136:A:VAL:H	1:137:A:GLN:H	5	0.1
(1,531)	1:120:A:ASP:H	1:121:A:THR:HA	6	0.1
(1,531)	1:120:A:ASP:H	1:121:A:THR:HA	8	0.1
(1,521)	1:117:A:CYS:HG	1:122:A:VAL:H	19	0.1
(1,481)	1:111:A:LEU:HA	1:111:A:LEU:HG	1	0.1
(1,441)	1:105:A:TRP:H	1:105:A:TRP:HD1	19	0.1
(1,332)	1:83:A:VAL:HB	1:84:A:ALA:H	3	0.1
(1,326)	1:83:A:VAL:H	1:83:A:VAL:HB	5	0.1
(1,270)	1:68:A:THR:H	1:68:A:THR:HG1	15	0.1
(1,256)	1:65:A:TYR:H	1:65:A:TYR:HD2	20	0.1
(1,209)	1:57:A:CYS:H	1:58:A:VAL:HB	9	0.1
(1,149)	1:45:A:CYS:HA	1:46:A:ASP:H	10	0.1
(1,111)	1:37:A:LEU:HA	1:40:A:GLN:H	1	0.1
(1,111)	1:37:A:LEU:HA	1:40:A:GLN:H	17	0.1
(1,111)	1:37:A:LEU:HA	1:40:A:GLN:H	19	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found