Full wwPDB NMR Structure Validation Report (i)

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

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

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

The following versions of software and data (see references (1)) were used in the production of this report:

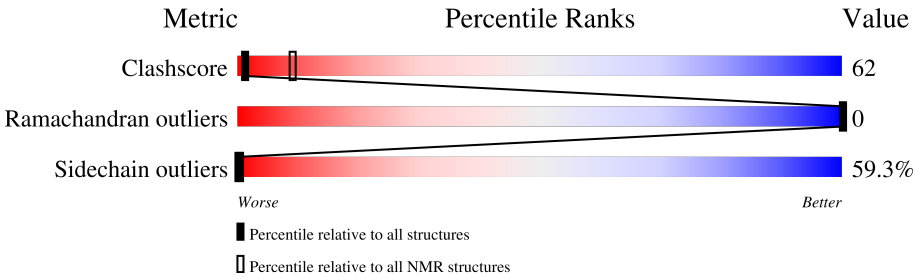
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 60%.

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	17	29% 24% 41% 6%

2 Ensemble composition and analysis (i)

This entry contains 20 models. Model 20 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:2-A:17 (16)	0.06	20

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

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

The models can be grouped into 2 clusters and 6 single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 318 atoms, of which 164 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Competence-stimulating peptide type 1.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	17	318	100	164	29	24	1	0

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	6	ALA	LYS	engineered mutation	UNP P60242

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: Competence-stimulating peptide type 1

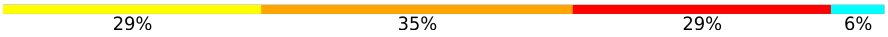
Chain A:

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: Competence-stimulating peptide type 1

Chain A: 

4.2.2 Score per residue for model 2

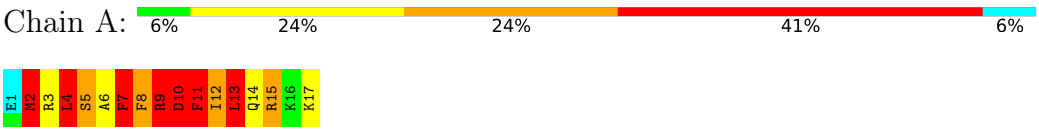
• Molecule 1: Competence-stimulating peptide type 1

Chain A:

4.2.3 Score per residue for model 3

• Molecule 1: Competence-stimulating peptide type 1

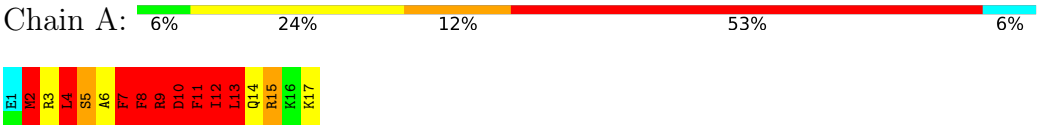
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: Competence-stimulating peptide type 1

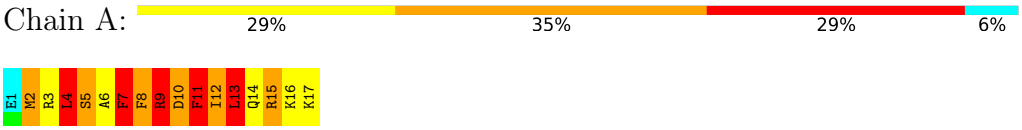
Chain A:



4.2.5 Score per residue for model 5

• Molecule 1: Competence-stimulating peptide type 1

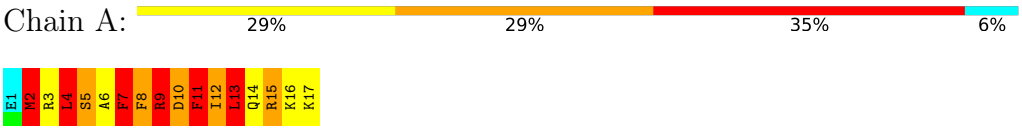
Chain A:



4.2.6 Score per residue for model 6

• Molecule 1: Competence-stimulating peptide type 1

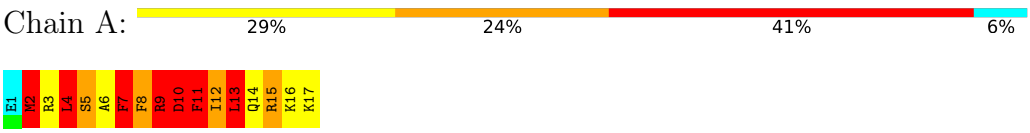
Chain A:



4.2.7 Score per residue for model 7

• Molecule 1: Competence-stimulating peptide type 1

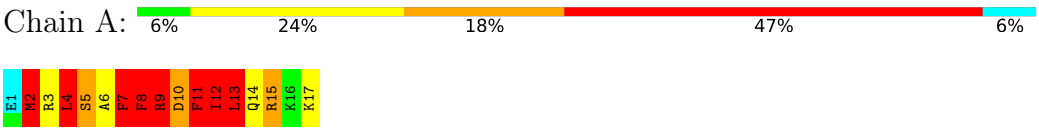
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: Competence-stimulating peptide type 1

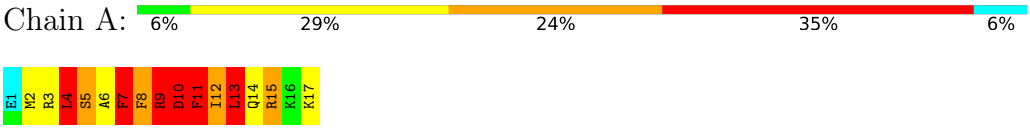
Chain A:



4.2.9 Score per residue for model 9

• Molecule 1: Competence-stimulating peptide type 1

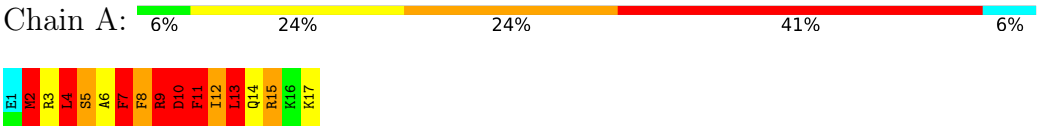
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: Competence-stimulating peptide type 1

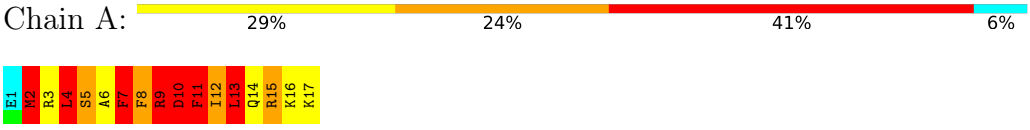
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: Competence-stimulating peptide type 1

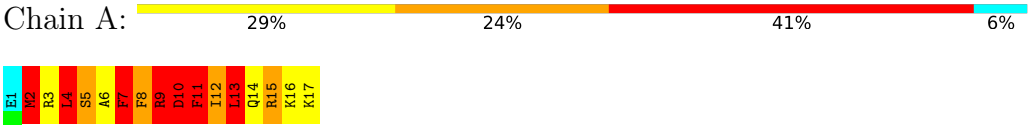
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Competence-stimulating peptide type 1

Chain A:



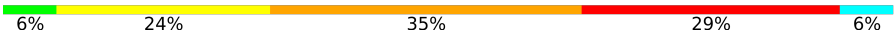
4.2.13 Score per residue for model 13

• Molecule 1: Competence-stimulating peptide type 1

Chain A:

4.2.14 Score per residue for model 14

• Molecule 1: Competence-stimulating peptide type 1

Chain A: 

4.2.15 Score per residue for model 15

• Molecule 1: Competence-stimulating peptide type 1

Chain A:

4.2.16 Score per residue for model 16

• Molecule 1: Competence-stimulating peptide type 1

Chain A:

4.2.17 Score per residue for model 17

• Molecule 1: Competence-stimulating peptide type 1

Chain A:

4.2.18 Score per residue for model 18

• Molecule 1: Competence-stimulating peptide type 1

Chain A:

4.2.19 Score per residue for model 19

• Molecule 1: Competence-stimulating peptide type 1

Chain A:

4.2.20 Score per residue for model 20 (medoid)

• Molecule 1: Competence-stimulating peptide type 1

Chain A:

5 Refinement protocol and experimental data overview

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

Of the 100 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
X-PLOR NIH	refinement	
X-PLOR NIH	structure calculation	

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	162
Number of shifts mapped to atoms	162
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	60%

6 Model quality (i)

6.1 Standard geometry (i)

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	3.42±0.02	23±0/147 (15.7± 0.1%)	2.45±0.03	12±1/190 (6.3± 0.7%)
All	All	3.42	461/2940 (15.7%)	2.45	240/3800 (6.3%)

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	1.0±0.0
All	All	0	20

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	12	ILE	CA-C	-11.11	1.38	1.52	8	20
1	A	13	LEU	N-CA	-10.17	1.32	1.46	8	20
1	A	11	PHE	CA-C	-10.00	1.39	1.52	1	20
1	A	2	MET	CA-C	-8.58	1.41	1.52	9	20
1	A	9	ARG	CA-C	-8.56	1.41	1.52	12	20
1	A	4	LEU	N-CA	-8.01	1.35	1.46	4	20
1	A	7	PHE	CA-C	-7.37	1.42	1.52	2	20
1	A	10	ASP	CA-C	-7.27	1.43	1.53	1	20
1	A	4	LEU	C-O	-7.03	1.15	1.24	9	20
1	A	3	ARG	N-CA	-6.81	1.37	1.46	9	1
1	A	3	ARG	CA-C	-6.81	1.43	1.52	15	20
1	A	9	ARG	C-N	-6.70	1.24	1.33	20	20
1	A	9	ARG	NE-CZ	6.64	1.40	1.33	13	20
1	A	9	ARG	C-O	-6.56	1.15	1.24	15	20
1	A	7	PHE	C-O	-6.49	1.15	1.24	19	20
1	A	13	LEU	CA-C	-6.41	1.44	1.52	15	18

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	3	ARG	NE-CZ	6.18	1.39	1.33	12	20
1	A	15	ARG	CA-C	-6.13	1.44	1.52	8	20
1	A	15	ARG	NE-CZ	5.99	1.39	1.33	20	20
1	A	7	PHE	CA-CB	5.96	1.63	1.53	8	20
1	A	12	ILE	CA-CB	-5.62	1.46	1.54	6	20
1	A	11	PHE	N-CA	-5.49	1.38	1.46	15	20
1	A	11	PHE	CD2-CE2	-5.43	1.22	1.38	6	20
1	A	5	SER	N-CA	-5.43	1.38	1.46	9	20
1	A	8	PHE	N-CA	-5.15	1.39	1.46	4	2

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	7	PHE	N-CA-C	-11.85	98.20	112.89	9	20
1	A	15	ARG	N-CA-C	-9.07	99.84	112.45	15	20
1	A	11	PHE	CA-CB-CG	8.52	122.32	113.80	8	20
1	A	6	ALA	N-CA-C	-6.63	104.21	112.90	9	20
1	A	12	ILE	O-C-N	6.44	128.37	121.87	15	20
1	A	4	LEU	N-CA-C	-6.33	105.68	113.41	20	20
1	A	9	ARG	N-CA-CB	6.23	120.01	110.61	8	20
1	A	5	SER	CB-CA-C	6.09	121.42	109.72	17	20
1	A	13	LEU	CB-CA-C	5.89	121.67	109.95	4	2
1	A	11	PHE	CB-CG-CD2	-5.81	110.83	120.70	4	20
1	A	2	MET	CB-CA-C	-5.69	97.97	110.67	9	1
1	A	4	LEU	CA-C-O	5.65	125.35	119.14	9	20
1	A	14	GLN	CA-CB-CG	-5.50	103.09	114.10	15	1
1	A	13	LEU	N-CA-CB	-5.43	101.29	110.41	4	10
1	A	14	GLN	CG-CD-NE2	-5.40	108.30	116.40	15	1
1	A	11	PHE	CB-CG-CD1	5.38	129.84	120.70	2	20
1	A	13	LEU	N-CA-C	-5.22	106.86	113.18	8	2
1	A	7	PHE	CB-CG-CD2	-5.04	112.13	120.70	8	1
1	A	11	PHE	N-CA-C	-5.04	107.30	113.50	4	2

There are no chirality outliers.

All unique planar outliers are listed below.

Mol	Chain	Res	Type	Group	Models (Total)
1	A	7	PHE	Sidechain	20

6.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	145	156	156	19±1
All	All	2900	3120	3120	376

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 62.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:7:PHE:CE1	1:A:11:PHE:HB3	0.80	2.12	4	20
1:A:7:PHE:C	1:A:7:PHE:CD1	0.80	2.59	5	20
1:A:7:PHE:CD1	1:A:7:PHE:O	0.77	2.38	15	20
1:A:5:SER:HA	1:A:8:PHE:HB2	0.75	1.59	4	20
1:A:7:PHE:CD1	1:A:11:PHE:HB3	0.73	2.17	12	20
1:A:9:ARG:O	1:A:13:LEU:HD22	0.68	1.88	15	20
1:A:4:LEU:O	1:A:7:PHE:CD2	0.67	2.48	3	20
1:A:7:PHE:CE1	1:A:11:PHE:HD2	0.61	2.13	13	20
1:A:11:PHE:O	1:A:15:ARG:HG3	0.61	1.94	15	20
1:A:7:PHE:CE1	1:A:11:PHE:CD2	0.60	2.90	15	20
1:A:4:LEU:HG	1:A:5:SER:N	0.58	2.14	14	20
1:A:8:PHE:O	1:A:12:ILE:HB	0.55	2.01	18	20
1:A:10:ASP:O	1:A:14:GLN:HG2	0.54	2.03	11	19
1:A:9:ARG:O	1:A:13:LEU:HD13	0.49	2.07	19	18
1:A:2:MET:HB2	1:A:5:SER:HB3	0.48	1.86	17	19
1:A:4:LEU:O	1:A:7:PHE:CE2	0.46	2.68	5	20
1:A:5:SER:CA	1:A:8:PHE:HB2	0.45	2.37	4	17
1:A:13:LEU:C	1:A:13:LEU:HD23	0.44	2.37	4	2
1:A:7:PHE:O	1:A:10:ASP:N	0.43	2.38	15	14
1:A:8:PHE:HA	1:A:12:ILE:HD13	0.43	1.90	8	2
1:A:13:LEU:HD23	1:A:14:GLN:N	0.42	2.30	8	2
1:A:7:PHE:O	1:A:9:ARG:N	0.41	2.54	9	18
1:A:7:PHE:CE1	1:A:7:PHE:O	0.41	2.72	4	2
1:A:5:SER:C	1:A:8:PHE:HB2	0.40	2.41	4	3

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	15/17 (88%)	13±0 (87±0%)	2±0 (13±0%)	0±0 (0±0%)	100	100
All	All	300/340 (88%)	260 (87%)	40 (13%)	0 (0%)	100	100

There are no Ramachandran outliers.

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	15/16 (94%)	6±1 (41±6%)	9±1 (59±6%)	0	0
All	All	300/320 (94%)	122 (41%)	178 (59%)	0	0

All 11 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	4	LEU	20
1	A	7	PHE	20
1	A	8	PHE	20
1	A	9	ARG	20
1	A	11	PHE	20
1	A	13	LEU	20
1	A	17	LYS	20
1	A	10	ASP	12
1	A	2	MET	12
1	A	16	LYS	11
1	A	12	ILE	3

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 60% for the well-defined parts and 58% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *shiftFile_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	162
Number of shifts mapped to atoms	162
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing

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

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 60%, i.e. 162 atoms were assigned a chemical shift out of a possible 269. 0 out of 2 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	62/80 (78%)	32/32 (100%)	15/32 (47%)	15/16 (94%)
Sidechain	93/159 (58%)	74/102 (73%)	15/45 (33%)	4/12 (33%)
Aromatic	7/30 (23%)	7/15 (47%)	0/15 (0%)	0/0 (—%)
Overall	162/269 (60%)	113/149 (76%)	30/92 (33%)	19/28 (68%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 58%, i.e. 162 atoms were assigned a chemical shift out of a possible 281. 0 out of 2 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	62/85 (73%)	32/34 (94%)	15/34 (44%)	15/17 (88%)
Sidechain	93/166 (56%)	74/106 (70%)	15/48 (31%)	4/12 (33%)
Aromatic	7/30 (23%)	7/15 (47%)	0/15 (0%)	0/0 (—%)
Overall	162/281 (58%)	113/155 (73%)	30/97 (31%)	19/29 (66%)

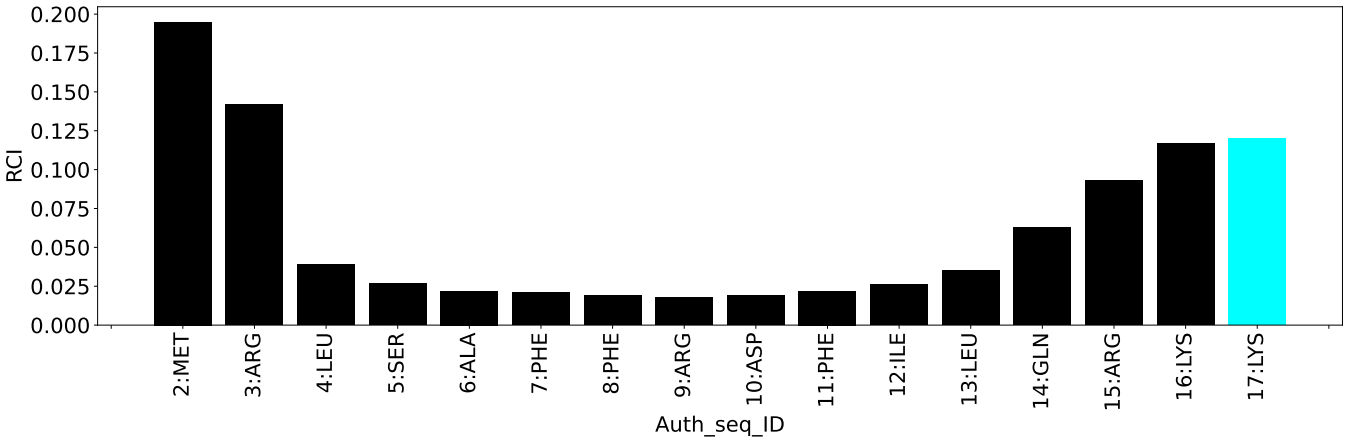
7.1.4 Statistically unusual chemical shifts (i)

There are no statistically unusual chemical shifts.

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

The following table provides the summary of experimentally observed NMR restraints in different categories. Restraints are classified into different categories based on the sequence separation of the atoms involved.

Description	Value
Total distance restraints	805
Intra-residue (|i-j|=0)	200
Sequential (|i-j|=1)	207
Medium range (|i-j|>1 and |i-j|<5)	341
Long range (|i-j|≥5)	45
Inter-chain	0
Hydrogen bond restraints	12
Disulfide bond restraints	0
Total dihedral-angle restraints	28
Number of unmapped restraints	0
Number of restraints per residue	49.0
Number of long range restraints per residue[1]	2.6

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	47.1	0.2
0.2-0.5 (Medium)	296.4	0.5
>0.5 (Large)	67.2	2.06

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	7.2	9.34
10.0-20.0 (Medium)	5.0	19.35
>20.0 (Large)	4.0	29.2

9 Distance violation analysis (i)

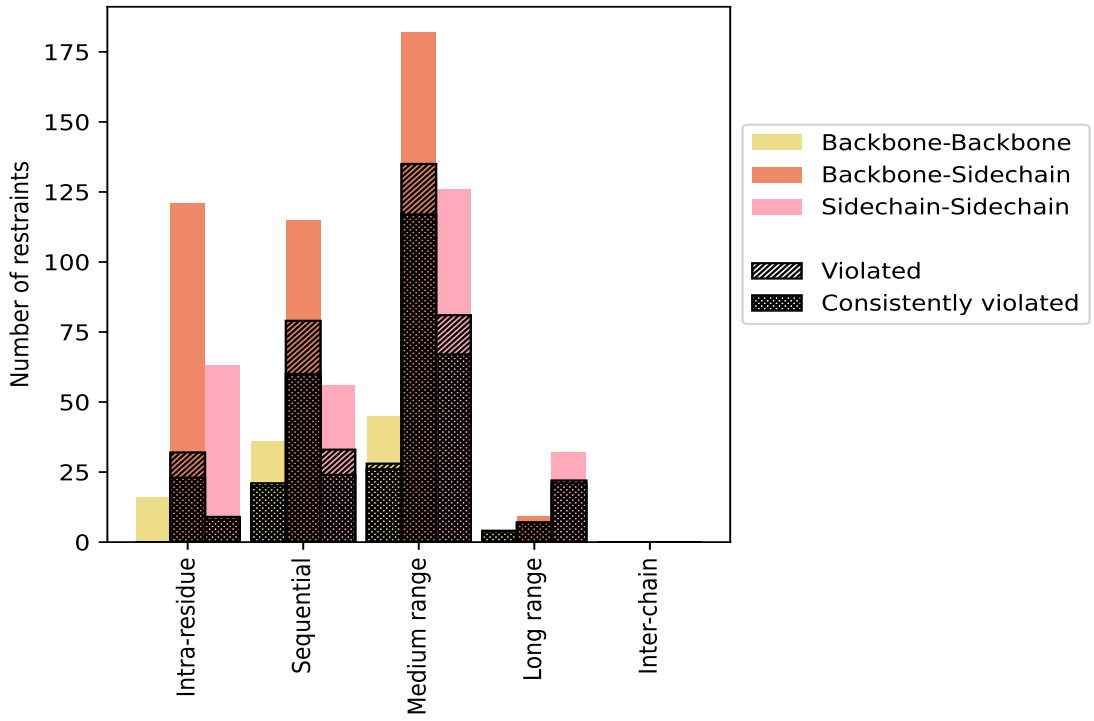
9.1 Summary of distance violations (i)

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)	200	24.8	41	20.5	5.1	31	15.5	3.9
Backbone-Backbone	16	2.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	121	15.0	32	26.4	4.0	23	19.0	2.9
Sidechain-Sidechain	63	7.8	9	14.3	1.1	8	12.7	1.0
Sequential (|i-j|=1)	207	25.7	133	64.3	16.5	104	50.2	12.9
Backbone-Backbone	36	4.5	21	58.3	2.6	20	55.6	2.5
Backbone-Sidechain	115	14.3	79	68.7	9.8	60	52.2	7.5
Sidechain-Sidechain	56	7.0	33	58.9	4.1	24	42.9	3.0
Medium range (|i-j|>1 & |i-j|<5)	341	42.4	236	69.2	29.3	203	59.5	25.2
Backbone-Backbone	45	5.6	28	62.2	3.5	26	57.8	3.2
Backbone-Sidechain	170	21.1	127	74.7	15.8	110	64.7	13.7
Sidechain-Sidechain	126	15.7	81	64.3	10.1	67	53.2	8.3
Long range (|i-j|≥5)	45	5.6	33	73.3	4.1	32	71.1	4.0
Backbone-Backbone	4	0.5	4	100.0	0.5	4	100.0	0.5
Backbone-Sidechain	9	1.1	7	77.8	0.9	7	77.8	0.9
Sidechain-Sidechain	32	4.0	22	68.8	2.7	21	65.6	2.6
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	12	1.5	8	66.7	1.0	7	58.3	0.9
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	805	100.0	451	56.0	56.0	377	46.8	46.8
Backbone-Backbone	101	12.5	53	52.5	6.6	50	49.5	6.2
Backbone-Sidechain	427	53.0	253	59.3	31.4	207	48.5	25.7
Sidechain-Sidechain	277	34.4	145	52.3	18.0	120	43.3	14.9

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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	35	116	226	33	0	410	0.42	2.06	0.25	0.41
2	35	118	229	33	0	415	0.42	2.05	0.25	0.41
3	34	117	227	33	0	411	0.42	2.05	0.25	0.41
4	37	115	230	32	0	414	0.42	2.02	0.24	0.4
5	34	118	229	33	0	414	0.42	2.06	0.25	0.41
6	35	119	227	33	0	414	0.42	2.05	0.25	0.41
7	35	117	227	33	0	412	0.42	2.05	0.25	0.41
8	37	115	230	32	0	414	0.42	2.02	0.24	0.4
9	32	121	223	33	0	409	0.43	2.05	0.25	0.41
10	35	119	227	33	0	414	0.42	2.05	0.25	0.41

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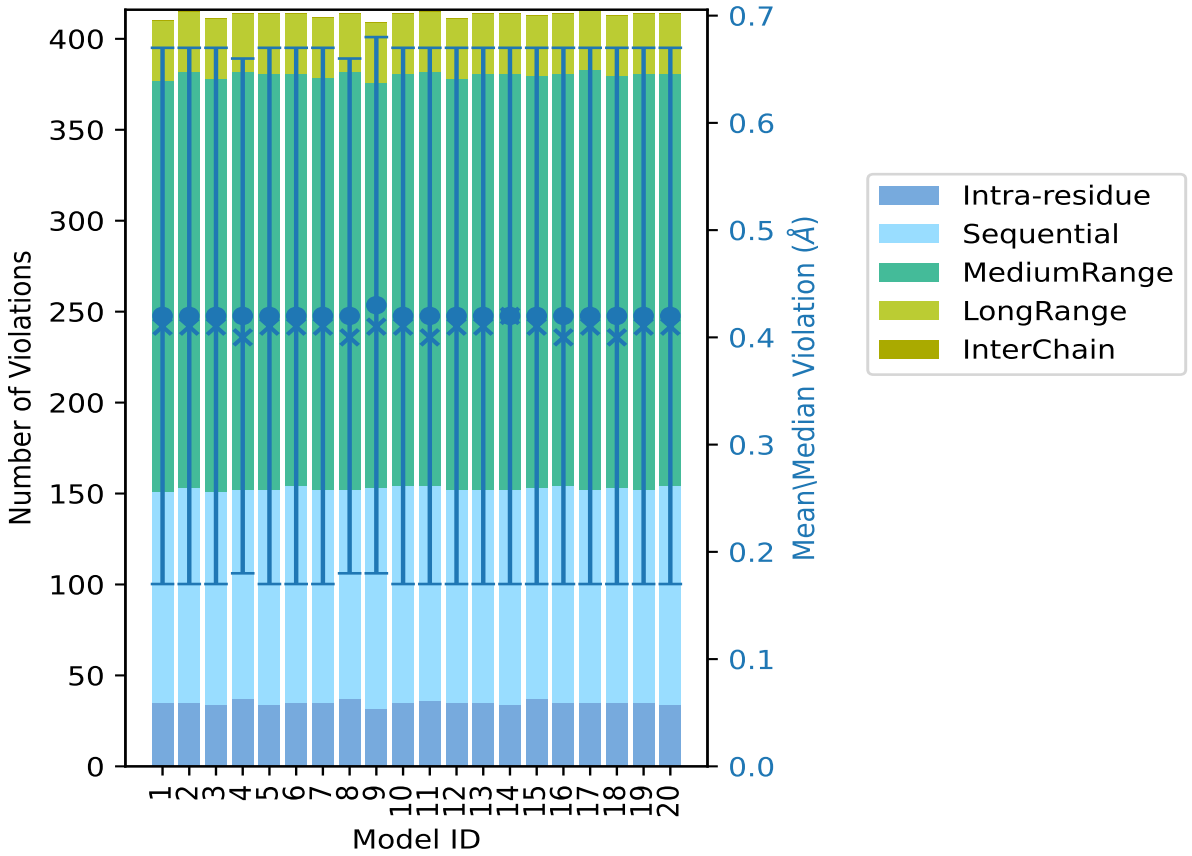
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	36	118	228	33	0	415	0.42	2.04	0.25	0.4
12	35	117	226	33	0	411	0.42	2.06	0.25	0.41
13	35	117	229	33	0	414	0.42	2.05	0.25	0.41
14	34	118	229	33	0	414	0.42	2.05	0.25	0.42
15	37	116	227	33	0	413	0.42	1.83	0.25	0.41
16	35	119	227	33	0	414	0.42	2.05	0.25	0.4
17	35	117	231	33	0	416	0.42	2.05	0.25	0.41
18	35	118	227	33	0	413	0.42	2.05	0.25	0.4
19	35	117	229	33	0	414	0.42	2.06	0.25	0.41
20	34	120	227	33	0	414	0.42	2.05	0.25	0.41

[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

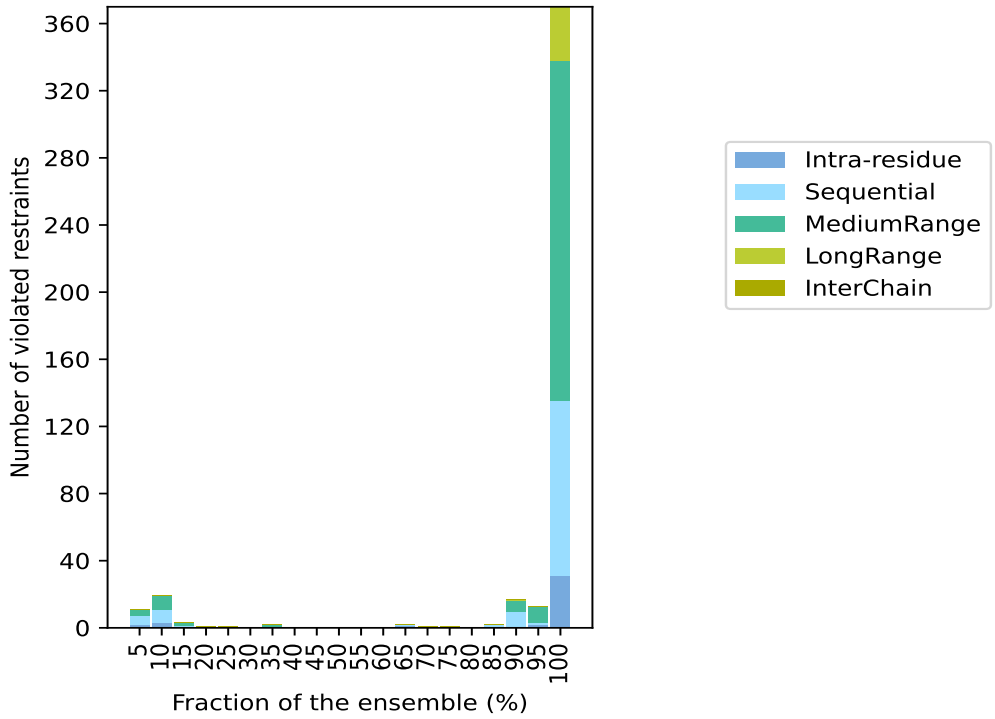
9.3 Distance violation statistics for the ensemble (i)

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, 350(IR:159, SQ:74, MR:105, LR:12, 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]	%
2	5	4	0	0	11	1	5.0
3	8	8	0	0	19	2	10.0
1	0	2	0	0	3	3	15.0
0	1	0	0	0	1	4	20.0
0	1	0	0	0	1	5	25.0
0	0	0	0	0	0	6	30.0
0	0	2	0	0	2	7	35.0
0	0	0	0	0	0	8	40.0
0	0	0	0	0	0	9	45.0
0	0	0	0	0	0	10	50.0
0	0	0	0	0	0	11	55.0
0	0	0	0	0	0	12	60.0
1	1	0	0	0	2	13	65.0
0	1	0	0	0	1	14	70.0
0	0	1	0	0	1	15	75.0
0	0	0	0	0	0	16	80.0
0	2	0	0	0	2	17	85.0
1	9	6	1	0	17	18	90.0
2	1	10	0	0	13	19	95.0
31	104	203	32	0	370	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

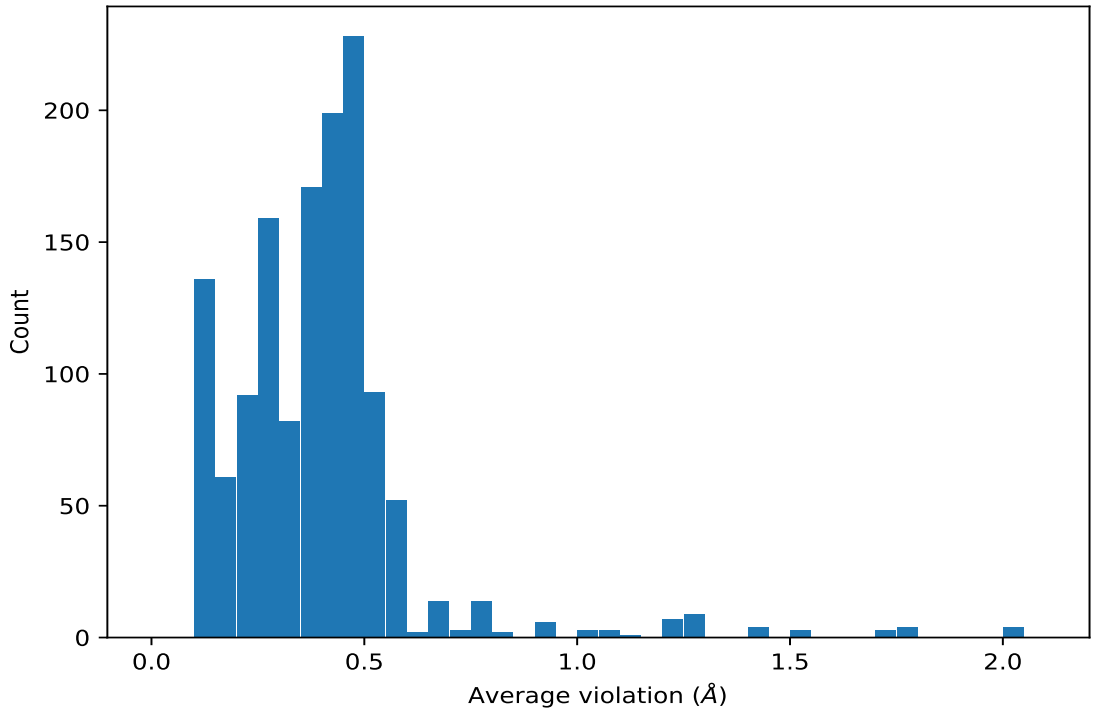
9.3.1 Bar graph : Distance violation statistics for the ensemble



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 (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,34)	1:12:A:ILE:HG22	1:14:A:GLN:HG2	20	2.04	0.05	2.05
(2,34)	1:12:A:ILE:HG23	1:14:A:GLN:HG2	20	2.04	0.05	2.05
(2,34)	1:12:A:ILE:HG21	1:14:A:GLN:HG2	20	2.04	0.05	2.05
(2,34)	1:12:A:ILE:HG22	1:14:A:GLN:HG3	20	2.04	0.05	2.05
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	20	1.78	0.01	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	20	1.78	0.01	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	20	1.78	0.01	1.78
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	20	1.76	0.02	1.76
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	20	1.74	0.01	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	20	1.74	0.01	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	20	1.74	0.01	1.74
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG22	20	1.52	0.06	1.54
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG23	20	1.52	0.06	1.54
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG21	20	1.52	0.06	1.54
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG22	20	1.42	0.01	1.42
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG23	20	1.42	0.01	1.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG21	20	1.42	0.01	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	20	1.41	0.02	1.42
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG22	20	1.28	0.05	1.3
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG23	20	1.28	0.05	1.3
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG21	20	1.28	0.05	1.3
(2,35)	1:12:A:ILE:HG22	1:14:A:GLN:H	20	1.28	0.05	1.3
(2,35)	1:12:A:ILE:HG23	1:14:A:GLN:H	20	1.28	0.05	1.3
(2,35)	1:12:A:ILE:HG21	1:14:A:GLN:H	20	1.28	0.05	1.3
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG22	20	1.26	0.01	1.26
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG23	20	1.26	0.01	1.26
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG21	20	1.26	0.01	1.26
(2,40)	1:12:A:ILE:HG21	1:16:A:LYS:HB3	20	1.24	0.05	1.22
(2,40)	1:12:A:ILE:HG22	1:16:A:LYS:HB3	20	1.24	0.05	1.22
(2,40)	1:12:A:ILE:HG23	1:16:A:LYS:HB3	20	1.24	0.05	1.22
(2,39)	1:12:A:ILE:HG21	1:16:A:LYS:HA	20	1.24	0.02	1.23
(2,39)	1:12:A:ILE:HG22	1:16:A:LYS:HA	20	1.24	0.02	1.23
(2,39)	1:12:A:ILE:HG23	1:16:A:LYS:HA	20	1.24	0.02	1.23
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	20	1.23	0.01	1.23
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	20	1.12	0.01	1.12
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD11	20	1.07	0.01	1.07
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD13	20	1.07	0.01	1.07
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD12	20	1.07	0.01	1.07
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG22	20	1.02	0.04	1.03
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG23	20	1.02	0.04	1.03
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG21	20	1.02	0.04	1.03
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD13	20	0.95	0.01	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	20	0.95	0.01	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD11	20	0.95	0.01	0.95
(2,41)	1:12:A:ILE:HG22	1:16:A:LYS:HE2	20	0.94	0.06	0.96
(2,41)	1:12:A:ILE:HG23	1:16:A:LYS:HE2	20	0.94	0.06	0.96
(2,41)	1:12:A:ILE:HG21	1:16:A:LYS:HE2	20	0.94	0.06	0.96
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	20	0.84	0.01	0.85
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	20	0.84	0.01	0.84
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	20	0.75	0.02	0.75
(2,43)	1:12:A:ILE:HG21	1:16:A:LYS:H	20	0.71	0.02	0.71
(2,43)	1:12:A:ILE:HG22	1:16:A:LYS:H	20	0.71	0.02	0.71
(2,43)	1:12:A:ILE:HG23	1:16:A:LYS:H	20	0.71	0.02	0.71
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	20	0.7	0.09	0.73
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	20	0.65	0.03	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	20	0.61	0.15	0.66
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	20	0.61	0.04	0.62
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	20	0.6	0.01	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	20	0.6	0.07	0.62
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	20	0.58	0.08	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	20	0.58	0.08	0.61
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	20	0.58	0.03	0.57
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	20	0.58	0.03	0.57
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	20	0.58	0.04	0.58
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	20	0.58	0.04	0.58
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	20	0.56	0.01	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	20	0.56	0.01	0.56
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	20	0.56	0.04	0.57
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	20	0.56	0.04	0.57
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	20	0.56	0.07	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	20	0.56	0.07	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	20	0.56	0.07	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	20	0.56	0.07	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	20	0.56	0.07	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	20	0.56	0.07	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	20	0.56	0.07	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	20	0.56	0.07	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	20	0.56	0.07	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	20	0.56	0.07	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	20	0.56	0.07	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	20	0.56	0.07	0.58
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	20	0.55	0.01	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	20	0.55	0.01	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	20	0.55	0.01	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	20	0.55	0.01	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	20	0.55	0.01	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	20	0.55	0.01	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	20	0.55	0.0	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	20	0.55	0.0	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	20	0.55	0.0	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	20	0.55	0.0	0.55
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	20	0.55	0.0	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	20	0.55	0.01	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	20	0.55	0.01	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	20	0.55	0.01	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	20	0.55	0.01	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	20	0.55	0.01	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	20	0.55	0.01	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	20	0.55	0.01	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	20	0.55	0.01	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	20	0.55	0.01	0.55
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	20	0.54	0.06	0.56
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	20	0.54	0.02	0.55
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	20	0.54	0.02	0.55
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	20	0.54	0.02	0.55
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	20	0.54	0.02	0.55
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	20	0.54	0.02	0.55
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	20	0.54	0.02	0.55
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	20	0.54	0.02	0.54
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	20	0.54	0.02	0.54
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	20	0.54	0.02	0.54
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	20	0.54	0.02	0.54
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	20	0.54	0.02	0.54
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	20	0.54	0.02	0.54
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	20	0.54	0.02	0.54
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	20	0.54	0.02	0.54
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	20	0.54	0.02	0.54
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	20	0.54	0.02	0.54
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	20	0.54	0.02	0.54
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	20	0.54	0.02	0.54
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	20	0.54	0.04	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	20	0.54	0.04	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	20	0.54	0.04	0.55
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	20	0.53	0.03	0.52
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	20	0.53	0.03	0.52
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	20	0.53	0.02	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	20	0.53	0.02	0.54
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	20	0.53	0.12	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	20	0.53	0.12	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	20	0.53	0.12	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	20	0.53	0.12	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	20	0.53	0.12	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	20	0.53	0.12	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	20	0.53	0.12	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	20	0.53	0.12	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	20	0.53	0.12	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	20	0.53	0.12	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	20	0.53	0.12	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	20	0.53	0.12	0.57
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	20	0.52	0.0	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	20	0.52	0.0	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	20	0.52	0.01	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	20	0.52	0.01	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	20	0.52	0.01	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	20	0.52	0.01	0.52
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	20	0.52	0.01	0.52
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	20	0.52	0.01	0.52
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	20	0.52	0.02	0.51
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	20	0.52	0.08	0.5
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	20	0.51	0.02	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	20	0.51	0.02	0.51
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	20	0.51	0.11	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	20	0.51	0.11	0.5
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	20	0.51	0.01	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	20	0.51	0.01	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	20	0.51	0.0	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	20	0.51	0.0	0.51
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	20	0.51	0.01	0.51
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	20	0.5	0.04	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	20	0.5	0.04	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	20	0.5	0.04	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	20	0.5	0.04	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	20	0.5	0.04	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	20	0.5	0.04	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	20	0.5	0.04	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	20	0.5	0.04	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	20	0.5	0.04	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	20	0.5	0.04	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	20	0.5	0.04	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	20	0.5	0.04	0.49
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	20	0.5	0.03	0.51
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	20	0.5	0.01	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	20	0.5	0.01	0.5
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	20	0.5	0.03	0.51
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	20	0.5	0.0	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	20	0.5	0.0	0.5
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	20	0.5	0.01	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	20	0.5	0.01	0.5
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	20	0.5	0.03	0.49
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	20	0.5	0.01	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	20	0.5	0.01	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	20	0.5	0.01	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	20	0.5	0.01	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	20	0.5	0.01	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	20	0.5	0.01	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	20	0.5	0.01	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	20	0.5	0.01	0.5
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	20	0.49	0.04	0.5
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	20	0.49	0.01	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	20	0.49	0.01	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	20	0.49	0.01	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	20	0.49	0.01	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	20	0.49	0.01	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	20	0.49	0.01	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	20	0.49	0.01	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	20	0.49	0.01	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	20	0.49	0.01	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	20	0.49	0.01	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	20	0.49	0.01	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	20	0.49	0.01	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	20	0.49	0.01	0.49
(1,579)	1:12:A:ILE:HG22	1:12:A:ILE:H	20	0.49	0.01	0.49
(1,579)	1:12:A:ILE:HG23	1:12:A:ILE:H	20	0.49	0.01	0.49
(1,579)	1:12:A:ILE:HG21	1:12:A:ILE:H	20	0.49	0.01	0.49
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	20	0.49	0.04	0.48
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	20	0.49	0.04	0.48
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	20	0.49	0.05	0.5
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	20	0.49	0.05	0.5
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	20	0.49	0.05	0.5
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	20	0.49	0.05	0.5
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	20	0.49	0.0	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	20	0.49	0.0	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	20	0.49	0.0	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	20	0.49	0.0	0.49
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	20	0.49	0.03	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	20	0.49	0.03	0.48
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	20	0.49	0.0	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	20	0.49	0.0	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	20	0.49	0.01	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	20	0.49	0.01	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	20	0.49	0.01	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	20	0.49	0.01	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	20	0.49	0.01	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	20	0.49	0.01	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	20	0.49	0.01	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	20	0.49	0.01	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	20	0.49	0.01	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	20	0.49	0.01	0.49
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	20	0.48	0.0	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	20	0.48	0.0	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	20	0.48	0.0	0.48
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	20	0.48	0.01	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	20	0.48	0.0	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	20	0.48	0.0	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	20	0.48	0.0	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	20	0.48	0.0	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	20	0.48	0.0	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	20	0.48	0.0	0.48
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	20	0.48	0.01	0.48
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	20	0.48	0.01	0.48
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	20	0.48	0.02	0.48
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	20	0.48	0.04	0.48
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	20	0.48	0.04	0.48
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	20	0.47	0.0	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	20	0.47	0.0	0.47
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	20	0.47	0.01	0.47
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	20	0.47	0.01	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	20	0.47	0.01	0.47
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	20	0.47	0.03	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	20	0.47	0.03	0.48
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	20	0.47	0.01	0.47
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	20	0.47	0.01	0.47
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	20	0.47	0.01	0.47
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	20	0.47	0.01	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	20	0.47	0.01	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	20	0.47	0.01	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	20	0.47	0.01	0.47
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	20	0.47	0.0	0.47
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	20	0.47	0.0	0.47
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	20	0.47	0.07	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	20	0.47	0.07	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	20	0.47	0.07	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	20	0.47	0.07	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	20	0.47	0.07	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	20	0.47	0.07	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	20	0.47	0.07	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	20	0.47	0.07	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	20	0.47	0.07	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	20	0.47	0.07	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	20	0.47	0.07	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	20	0.47	0.07	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	20	0.47	0.07	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	20	0.47	0.07	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	20	0.47	0.07	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	20	0.47	0.07	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	20	0.47	0.07	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	20	0.47	0.07	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	20	0.47	0.07	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	20	0.47	0.07	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	20	0.47	0.07	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	20	0.47	0.07	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	20	0.47	0.07	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	20	0.47	0.07	0.49
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	20	0.47	0.0	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	20	0.47	0.0	0.47
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	20	0.46	0.12	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	20	0.46	0.12	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	20	0.46	0.12	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	20	0.46	0.12	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	20	0.46	0.12	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	20	0.46	0.12	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	20	0.46	0.12	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	20	0.46	0.12	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	20	0.46	0.12	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	20	0.46	0.12	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	20	0.46	0.12	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	20	0.46	0.12	0.5
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	20	0.46	0.01	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	20	0.46	0.01	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	20	0.46	0.0	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	20	0.46	0.01	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	20	0.46	0.01	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	20	0.46	0.01	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	20	0.46	0.01	0.46
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	20	0.46	0.01	0.46
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	20	0.46	0.01	0.46
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	20	0.46	0.01	0.46
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	20	0.46	0.01	0.46
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	20	0.46	0.01	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	20	0.46	0.01	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	20	0.46	0.01	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	20	0.46	0.01	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	20	0.46	0.01	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	20	0.46	0.01	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	20	0.46	0.01	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	20	0.46	0.01	0.45
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	20	0.46	0.01	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	20	0.46	0.01	0.46
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	20	0.46	0.01	0.46
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	20	0.46	0.07	0.48
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	20	0.46	0.07	0.48
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	20	0.46	0.01	0.46
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	20	0.46	0.01	0.46
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	20	0.46	0.01	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	20	0.46	0.01	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	20	0.46	0.01	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	20	0.46	0.01	0.45
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	20	0.46	0.01	0.46
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	20	0.46	0.01	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	20	0.46	0.01	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	20	0.46	0.01	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	20	0.46	0.01	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	20	0.46	0.01	0.46
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	20	0.46	0.01	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	20	0.46	0.01	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	20	0.46	0.01	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	20	0.45	0.01	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	20	0.45	0.01	0.46
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	20	0.45	0.0	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	20	0.45	0.0	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	20	0.45	0.0	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	20	0.45	0.0	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	20	0.45	0.0	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	20	0.45	0.0	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	20	0.45	0.0	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	20	0.45	0.0	0.45
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	20	0.45	0.02	0.46
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	20	0.45	0.01	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	20	0.45	0.01	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	20	0.45	0.01	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	20	0.45	0.01	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	20	0.45	0.01	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	20	0.45	0.01	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	20	0.45	0.01	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	20	0.45	0.01	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	20	0.45	0.01	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	20	0.45	0.01	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	20	0.45	0.01	0.45
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	20	0.45	0.02	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	20	0.45	0.02	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	20	0.45	0.02	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	20	0.45	0.02	0.44
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	20	0.45	0.0	0.45
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	20	0.45	0.0	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	20	0.45	0.0	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	20	0.45	0.0	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	20	0.45	0.01	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	20	0.45	0.01	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	20	0.45	0.01	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	20	0.45	0.01	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	20	0.45	0.0	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	20	0.45	0.01	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	20	0.45	0.01	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	20	0.45	0.0	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	20	0.45	0.0	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	20	0.45	0.0	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	20	0.45	0.0	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	20	0.45	0.0	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	20	0.45	0.0	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	20	0.45	0.0	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	20	0.45	0.0	0.45
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	20	0.45	0.0	0.45
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	20	0.45	0.02	0.44
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	20	0.45	0.0	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	20	0.45	0.0	0.45
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	20	0.45	0.01	0.45
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	20	0.45	0.01	0.45
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	20	0.45	0.01	0.45
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	20	0.45	0.01	0.45
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	20	0.45	0.01	0.45
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	20	0.45	0.01	0.45
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	20	0.45	0.01	0.45
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	20	0.45	0.01	0.45
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	20	0.45	0.01	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	20	0.45	0.01	0.45
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	20	0.45	0.01	0.45
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	20	0.45	0.01	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	20	0.45	0.01	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	20	0.45	0.01	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	20	0.45	0.01	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	20	0.45	0.01	0.45
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	20	0.44	0.01	0.44
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	20	0.44	0.04	0.42
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	20	0.44	0.04	0.42
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	20	0.44	0.01	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	20	0.44	0.01	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	20	0.44	0.01	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	20	0.44	0.01	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	20	0.44	0.01	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	20	0.44	0.01	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	20	0.44	0.01	0.44
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	20	0.44	0.0	0.44
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	20	0.44	0.0	0.44
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	20	0.44	0.0	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	20	0.44	0.01	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	20	0.44	0.01	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	20	0.44	0.01	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	20	0.44	0.01	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	20	0.44	0.01	0.44
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	20	0.44	0.01	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	20	0.44	0.01	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	20	0.44	0.01	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	20	0.44	0.01	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	20	0.44	0.01	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	20	0.44	0.01	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	20	0.44	0.01	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	20	0.44	0.01	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	20	0.44	0.01	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	20	0.44	0.01	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	20	0.44	0.0	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	20	0.44	0.0	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	20	0.44	0.01	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	20	0.44	0.01	0.44
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	20	0.44	0.02	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	20	0.44	0.02	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	20	0.44	0.02	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	20	0.44	0.02	0.43
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	20	0.44	0.0	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	20	0.44	0.0	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	20	0.44	0.0	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	20	0.44	0.0	0.44
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	20	0.44	0.01	0.44
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	20	0.44	0.01	0.44
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	20	0.44	0.01	0.44
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	20	0.43	0.02	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	20	0.43	0.02	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	20	0.43	0.02	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	20	0.43	0.02	0.43
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	20	0.43	0.01	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	20	0.43	0.01	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	20	0.43	0.01	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	20	0.43	0.01	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	20	0.43	0.01	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	20	0.43	0.01	0.44
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	20	0.43	0.01	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	20	0.43	0.01	0.43
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	20	0.43	0.01	0.43
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	20	0.43	0.01	0.43
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	20	0.43	0.01	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	20	0.43	0.0	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	20	0.43	0.0	0.43
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	20	0.43	0.01	0.43
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	20	0.43	0.04	0.42
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	20	0.43	0.04	0.42
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	20	0.43	0.04	0.42
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	20	0.43	0.04	0.42
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	20	0.43	0.04	0.42
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	20	0.43	0.04	0.42
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	20	0.43	0.0	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	20	0.43	0.0	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	20	0.43	0.01	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	20	0.43	0.01	0.43
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	20	0.43	0.03	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	20	0.43	0.03	0.42
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	20	0.43	0.0	0.43
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	20	0.43	0.02	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	20	0.43	0.02	0.44
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	20	0.43	0.01	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	20	0.43	0.01	0.43
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	20	0.43	0.09	0.45
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	20	0.43	0.01	0.43
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	20	0.43	0.01	0.43
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD13	20	0.43	0.01	0.43
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD12	20	0.43	0.01	0.43
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD11	20	0.43	0.01	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	20	0.42	0.02	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	20	0.42	0.02	0.43
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	20	0.42	0.01	0.43
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	20	0.42	0.01	0.43
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	20	0.42	0.02	0.42
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	20	0.42	0.02	0.42
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	20	0.42	0.02	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	20	0.42	0.02	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	20	0.42	0.02	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	20	0.42	0.02	0.41
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	20	0.42	0.0	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	20	0.42	0.0	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	20	0.42	0.0	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	20	0.42	0.0	0.42
(2,32)	1:12:A:ILE:HG22	1:13:A:LEU:HG	20	0.42	0.16	0.37
(2,32)	1:12:A:ILE:HG23	1:13:A:LEU:HG	20	0.42	0.16	0.37
(2,32)	1:12:A:ILE:HG21	1:13:A:LEU:HG	20	0.42	0.16	0.37
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	20	0.42	0.01	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	20	0.42	0.01	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	20	0.42	0.0	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	20	0.42	0.0	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	20	0.42	0.01	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	20	0.42	0.01	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	20	0.42	0.01	0.42
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	20	0.42	0.02	0.41
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	20	0.42	0.02	0.41
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	20	0.41	0.0	0.41
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	20	0.41	0.0	0.41
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	20	0.41	0.0	0.41
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	20	0.41	0.0	0.41
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	20	0.41	0.0	0.41
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	20	0.41	0.0	0.41
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	20	0.41	0.0	0.41
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	20	0.41	0.0	0.41
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	20	0.41	0.0	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	20	0.41	0.0	0.41
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	20	0.41	0.0	0.41
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	20	0.41	0.0	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	20	0.41	0.01	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	20	0.41	0.0	0.41
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	20	0.41	0.01	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	20	0.41	0.0	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	20	0.41	0.0	0.41
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	20	0.41	0.03	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	20	0.41	0.03	0.4
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	20	0.41	0.03	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	20	0.41	0.0	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	20	0.41	0.0	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	20	0.41	0.0	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	20	0.41	0.0	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	20	0.41	0.0	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	20	0.41	0.0	0.41
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	20	0.41	0.02	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	20	0.41	0.02	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	20	0.41	0.02	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	20	0.41	0.02	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	20	0.4	0.01	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	20	0.4	0.01	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	20	0.4	0.01	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	20	0.4	0.01	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	20	0.4	0.01	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	20	0.4	0.01	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	20	0.4	0.01	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	20	0.4	0.01	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	20	0.4	0.01	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	20	0.4	0.01	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	20	0.4	0.01	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	20	0.4	0.01	0.4
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	20	0.4	0.02	0.41
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	20	0.4	0.02	0.41
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	20	0.4	0.0	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	20	0.4	0.0	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	20	0.4	0.0	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	20	0.4	0.0	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	20	0.4	0.0	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	20	0.4	0.0	0.4
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	20	0.4	0.01	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	20	0.4	0.0	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	20	0.4	0.0	0.4
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	20	0.4	0.01	0.4
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	20	0.4	0.04	0.39
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	20	0.4	0.04	0.39
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	20	0.4	0.0	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	20	0.4	0.0	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	20	0.4	0.0	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	20	0.4	0.0	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	20	0.4	0.01	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	20	0.4	0.01	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	20	0.4	0.01	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	20	0.4	0.01	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	20	0.4	0.01	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	20	0.4	0.01	0.4
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	20	0.4	0.01	0.4
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	20	0.4	0.01	0.4
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	20	0.4	0.01	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	20	0.39	0.02	0.4
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	20	0.39	0.01	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	20	0.39	0.01	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	20	0.39	0.01	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	20	0.39	0.01	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	20	0.39	0.01	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	20	0.39	0.01	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	20	0.39	0.01	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	20	0.39	0.01	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	20	0.39	0.01	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	20	0.39	0.01	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	20	0.39	0.01	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	20	0.39	0.01	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	20	0.39	0.01	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	20	0.39	0.01	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	20	0.39	0.01	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	20	0.39	0.01	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	20	0.39	0.01	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	20	0.39	0.01	0.39
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	20	0.39	0.05	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	20	0.39	0.05	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	20	0.39	0.05	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	20	0.39	0.05	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	20	0.39	0.05	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	20	0.39	0.05	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	20	0.39	0.05	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	20	0.39	0.05	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	20	0.39	0.05	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	20	0.39	0.05	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	20	0.39	0.05	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	20	0.39	0.05	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	20	0.39	0.05	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	20	0.39	0.05	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	20	0.39	0.05	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	20	0.39	0.05	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	20	0.39	0.05	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	20	0.39	0.05	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	20	0.39	0.05	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	20	0.39	0.05	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	20	0.39	0.05	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	20	0.39	0.05	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	20	0.39	0.05	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	20	0.39	0.05	0.37
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	20	0.39	0.0	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	20	0.39	0.0	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	20	0.39	0.0	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	20	0.39	0.0	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	20	0.39	0.0	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	20	0.39	0.0	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	20	0.39	0.0	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	20	0.39	0.0	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	20	0.39	0.0	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	20	0.39	0.0	0.39
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	20	0.39	0.01	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	20	0.38	0.01	0.39
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	20	0.38	0.01	0.39
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	20	0.38	0.0	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	20	0.38	0.0	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	20	0.38	0.0	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	20	0.38	0.0	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	20	0.38	0.0	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	20	0.38	0.0	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	20	0.38	0.0	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	20	0.38	0.0	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	20	0.38	0.0	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	20	0.38	0.0	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	20	0.38	0.0	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	20	0.38	0.0	0.38
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	20	0.37	0.01	0.38
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	20	0.37	0.01	0.38
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	20	0.37	0.01	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	20	0.37	0.01	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	20	0.37	0.0	0.37
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	20	0.37	0.01	0.37
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	20	0.37	0.02	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	20	0.37	0.02	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	20	0.37	0.02	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	20	0.37	0.02	0.36
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	20	0.37	0.01	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	20	0.37	0.0	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	20	0.37	0.0	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	20	0.37	0.0	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	20	0.37	0.0	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	20	0.37	0.01	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	20	0.37	0.01	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	20	0.37	0.01	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	20	0.37	0.01	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	20	0.37	0.01	0.37
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	20	0.36	0.0	0.36
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	20	0.36	0.04	0.35
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	20	0.36	0.04	0.35
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	20	0.36	0.01	0.36
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	20	0.36	0.01	0.36
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	20	0.36	0.0	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	20	0.36	0.0	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	20	0.36	0.01	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	20	0.36	0.01	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	20	0.36	0.01	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	20	0.36	0.01	0.36
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	20	0.36	0.06	0.34
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	20	0.36	0.06	0.34
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	20	0.36	0.01	0.36
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	20	0.36	0.01	0.36
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	20	0.36	0.01	0.36
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	20	0.36	0.01	0.36
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	20	0.36	0.01	0.36
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	20	0.36	0.01	0.36
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	20	0.36	0.01	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	20	0.36	0.01	0.36
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	20	0.36	0.01	0.36
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	20	0.36	0.01	0.36
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	20	0.36	0.01	0.36
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	20	0.36	0.01	0.36
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	20	0.36	0.05	0.38
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	20	0.36	0.05	0.38
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	20	0.36	0.05	0.38
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	20	0.36	0.05	0.38
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	20	0.36	0.0	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	20	0.36	0.01	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	20	0.36	0.01	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	20	0.36	0.01	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	20	0.36	0.01	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	20	0.36	0.01	0.36
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	20	0.35	0.0	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	20	0.35	0.0	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	20	0.35	0.0	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	20	0.35	0.0	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	20	0.35	0.0	0.35
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	20	0.35	0.02	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	20	0.35	0.0	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	20	0.35	0.0	0.35
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	20	0.35	0.08	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	20	0.35	0.08	0.32
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	20	0.35	0.01	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	20	0.35	0.01	0.35
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	20	0.34	0.01	0.34
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	20	0.34	0.07	0.32
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	20	0.34	0.01	0.34
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	20	0.34	0.03	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	20	0.34	0.03	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	20	0.34	0.03	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	20	0.34	0.03	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	20	0.34	0.03	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	20	0.34	0.03	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	20	0.34	0.03	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	20	0.34	0.03	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	20	0.34	0.03	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	20	0.34	0.03	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	20	0.34	0.03	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	20	0.34	0.03	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	20	0.34	0.0	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	20	0.34	0.0	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	20	0.34	0.0	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	20	0.34	0.0	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	20	0.34	0.0	0.34
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	20	0.34	0.04	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	20	0.34	0.01	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	20	0.34	0.01	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	20	0.34	0.01	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	20	0.34	0.01	0.34
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	20	0.34	0.08	0.31
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	20	0.33	0.01	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	20	0.33	0.01	0.33
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	20	0.33	0.01	0.33
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	20	0.33	0.01	0.33
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	20	0.33	0.1	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	20	0.33	0.1	0.3
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	20	0.33	0.01	0.32
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	20	0.32	0.04	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	20	0.32	0.02	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	20	0.32	0.02	0.33
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	20	0.32	0.02	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	20	0.32	0.02	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	20	0.32	0.02	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	20	0.32	0.02	0.31
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	20	0.32	0.01	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	20	0.32	0.01	0.32
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	20	0.32	0.02	0.32
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	20	0.32	0.02	0.33
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	20	0.32	0.02	0.33
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	20	0.32	0.02	0.33
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	20	0.32	0.02	0.33
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	20	0.32	0.0	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	20	0.32	0.0	0.32
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	20	0.32	0.01	0.31
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	20	0.32	0.01	0.31
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	20	0.32	0.01	0.31
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	20	0.32	0.01	0.31
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	20	0.32	0.01	0.31
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	20	0.32	0.01	0.31
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	20	0.31	0.01	0.31
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	20	0.31	0.01	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	20	0.31	0.01	0.31
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	20	0.31	0.02	0.32
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG22	20	0.31	0.05	0.33
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG23	20	0.31	0.05	0.33
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG21	20	0.31	0.05	0.33
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	20	0.31	0.01	0.3
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	20	0.3	0.01	0.3
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	20	0.3	0.01	0.3
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	20	0.3	0.01	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	20	0.3	0.01	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	20	0.3	0.01	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	20	0.3	0.01	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	20	0.3	0.01	0.3
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	20	0.3	0.01	0.3
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	20	0.3	0.01	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	20	0.3	0.0	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	20	0.3	0.0	0.3
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	20	0.29	0.01	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	20	0.29	0.01	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	20	0.29	0.01	0.29
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	20	0.28	0.0	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	20	0.28	0.0	0.28
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	20	0.28	0.01	0.28
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	20	0.28	0.02	0.28
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	20	0.28	0.02	0.28
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	20	0.28	0.04	0.29
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	20	0.27	0.01	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	20	0.27	0.01	0.27
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	20	0.27	0.01	0.27
(2,38)	1:12:A:ILE:HD11	1:15:A:ARG:HG3	20	0.27	0.02	0.26
(2,38)	1:12:A:ILE:HD13	1:15:A:ARG:HG3	20	0.27	0.02	0.26
(2,38)	1:12:A:ILE:HD12	1:15:A:ARG:HG3	20	0.27	0.02	0.26
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	20	0.27	0.0	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	20	0.27	0.0	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	20	0.27	0.0	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	20	0.27	0.0	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	20	0.27	0.0	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	20	0.27	0.0	0.27
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	20	0.27	0.04	0.26
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	20	0.27	0.04	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	20	0.27	0.02	0.26
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	20	0.26	0.02	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	20	0.26	0.01	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	20	0.26	0.01	0.26
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	20	0.26	0.01	0.26
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	20	0.26	0.01	0.26
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	20	0.26	0.01	0.26
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	20	0.26	0.01	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	20	0.26	0.01	0.26
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	20	0.26	0.01	0.26
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	20	0.26	0.0	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	20	0.26	0.0	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	20	0.26	0.01	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	20	0.26	0.01	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	20	0.26	0.01	0.26
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	20	0.26	0.02	0.26
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	20	0.26	0.02	0.26
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	20	0.26	0.02	0.26
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	20	0.25	0.01	0.26
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	20	0.25	0.01	0.26
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	20	0.25	0.0	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	20	0.25	0.0	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	20	0.25	0.0	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	20	0.25	0.0	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	20	0.25	0.0	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	20	0.25	0.0	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	20	0.25	0.0	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	20	0.25	0.0	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	20	0.25	0.0	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	20	0.25	0.0	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	20	0.25	0.0	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	20	0.25	0.0	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	20	0.25	0.0	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	20	0.25	0.0	0.25
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	20	0.25	0.01	0.25
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	20	0.25	0.01	0.25
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	20	0.25	0.01	0.25
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	20	0.25	0.01	0.25
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	20	0.25	0.01	0.25
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	20	0.25	0.01	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	20	0.25	0.0	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	20	0.25	0.0	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	20	0.25	0.0	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	20	0.25	0.0	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	20	0.25	0.06	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	20	0.25	0.06	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	20	0.25	0.06	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	20	0.25	0.06	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	20	0.25	0.06	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	20	0.25	0.06	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	20	0.25	0.06	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	20	0.25	0.06	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	20	0.25	0.06	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	20	0.25	0.06	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	20	0.25	0.06	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	20	0.25	0.06	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	20	0.25	0.06	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	20	0.25	0.06	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	20	0.25	0.06	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	20	0.25	0.06	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	20	0.25	0.06	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	20	0.25	0.06	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	20	0.25	0.06	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	20	0.25	0.06	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	20	0.25	0.06	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	20	0.25	0.06	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	20	0.25	0.06	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	20	0.25	0.06	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	20	0.25	0.06	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	20	0.25	0.06	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	20	0.25	0.06	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	20	0.25	0.06	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	20	0.25	0.06	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	20	0.25	0.06	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	20	0.25	0.06	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	20	0.25	0.06	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	20	0.25	0.06	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	20	0.25	0.06	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	20	0.25	0.06	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	20	0.25	0.06	0.25
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	20	0.24	0.02	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	20	0.24	0.02	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	20	0.24	0.02	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	20	0.24	0.02	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	20	0.24	0.02	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	20	0.24	0.02	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	20	0.24	0.02	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	20	0.24	0.02	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	20	0.24	0.02	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	20	0.24	0.02	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	20	0.24	0.02	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	20	0.24	0.02	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	20	0.24	0.01	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	20	0.24	0.01	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	20	0.24	0.01	0.24
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	20	0.24	0.02	0.25
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	20	0.24	0.02	0.25
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	20	0.23	0.01	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	20	0.23	0.01	0.23
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	20	0.23	0.0	0.23
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	20	0.23	0.0	0.23
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	20	0.23	0.01	0.23
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	20	0.23	0.01	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	20	0.23	0.0	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	20	0.23	0.0	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	20	0.22	0.01	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	20	0.22	0.01	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	20	0.22	0.01	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	20	0.22	0.01	0.22
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	20	0.22	0.02	0.22
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	20	0.22	0.02	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	20	0.22	0.01	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	20	0.22	0.01	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	20	0.22	0.01	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	20	0.22	0.01	0.22
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	20	0.21	0.01	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	20	0.21	0.01	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	20	0.21	0.01	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	20	0.21	0.01	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	20	0.21	0.01	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	20	0.21	0.0	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	20	0.21	0.0	0.21
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	20	0.21	0.04	0.19
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	20	0.21	0.04	0.19
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	20	0.21	0.04	0.19
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	20	0.21	0.04	0.19
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	20	0.2	0.0	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	20	0.2	0.0	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	20	0.2	0.01	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	20	0.2	0.01	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	20	0.2	0.0	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	20	0.2	0.0	0.2
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	20	0.2	0.02	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	20	0.2	0.02	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	20	0.19	0.01	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	20	0.19	0.01	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	20	0.19	0.01	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	20	0.19	0.01	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	20	0.19	0.01	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	20	0.19	0.01	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	20	0.19	0.01	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	20	0.19	0.01	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	20	0.19	0.01	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	20	0.19	0.01	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	20	0.19	0.01	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	20	0.19	0.01	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	20	0.19	0.01	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	20	0.19	0.01	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	20	0.19	0.01	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	20	0.19	0.01	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	20	0.19	0.01	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	20	0.19	0.01	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	20	0.19	0.01	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	20	0.19	0.01	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	20	0.19	0.01	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	20	0.19	0.01	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	20	0.19	0.01	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	20	0.19	0.01	0.19
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	20	0.19	0.07	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	20	0.19	0.07	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	20	0.19	0.07	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	20	0.19	0.07	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	20	0.19	0.07	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	20	0.19	0.07	0.17
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	20	0.19	0.02	0.2
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	20	0.19	0.02	0.2
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	20	0.19	0.0	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	20	0.19	0.0	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	20	0.19	0.0	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	20	0.19	0.0	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	20	0.19	0.0	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	20	0.19	0.0	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	20	0.19	0.0	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	20	0.19	0.0	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	20	0.19	0.0	0.19
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	20	0.18	0.0	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	20	0.18	0.0	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	20	0.18	0.0	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	20	0.18	0.0	0.18
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	20	0.18	0.01	0.18
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	20	0.18	0.14	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	20	0.18	0.14	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	20	0.18	0.14	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	20	0.18	0.14	0.13
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	20	0.16	0.02	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	20	0.16	0.02	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	20	0.16	0.02	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	20	0.16	0.02	0.16
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	20	0.16	0.07	0.13
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	20	0.16	0.01	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	20	0.16	0.01	0.16
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	20	0.15	0.01	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	20	0.15	0.01	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	20	0.15	0.01	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	20	0.15	0.0	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	20	0.15	0.0	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	20	0.15	0.0	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	20	0.15	0.0	0.15
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	20	0.15	0.02	0.14
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	20	0.15	0.02	0.14
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	20	0.15	0.01	0.15
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	20	0.15	0.01	0.15
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	20	0.15	0.01	0.15
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	20	0.15	0.01	0.15
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	20	0.15	0.01	0.15
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	20	0.15	0.01	0.15
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	20	0.15	0.08	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	20	0.15	0.08	0.12
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	20	0.15	0.06	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	20	0.15	0.06	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	20	0.15	0.06	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	20	0.15	0.06	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	20	0.15	0.06	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	20	0.15	0.06	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	20	0.15	0.06	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	20	0.15	0.06	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	20	0.15	0.06	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	20	0.15	0.06	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	20	0.15	0.06	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	20	0.15	0.06	0.15
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	20	0.14	0.01	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	20	0.14	0.0	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	20	0.14	0.0	0.14
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	20	0.14	0.01	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	20	0.14	0.0	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	20	0.14	0.0	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	20	0.14	0.01	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	20	0.14	0.01	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	20	0.14	0.01	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	20	0.14	0.01	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	20	0.14	0.01	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	20	0.14	0.01	0.14
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD13	20	0.14	0.02	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD12	20	0.14	0.02	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD11	20	0.14	0.02	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	20	0.13	0.0	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	20	0.13	0.0	0.13
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	20	0.13	0.0	0.13
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	20	0.11	0.01	0.11
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	19	0.52	0.03	0.51
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	19	0.52	0.03	0.51
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	19	0.49	0.04	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	19	0.49	0.04	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	19	0.49	0.04	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	19	0.49	0.04	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	19	0.49	0.04	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	19	0.49	0.04	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	19	0.49	0.04	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	19	0.49	0.04	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	19	0.49	0.04	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	19	0.49	0.04	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	19	0.49	0.04	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	19	0.49	0.04	0.47
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	19	0.44	0.03	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	19	0.44	0.03	0.42
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	19	0.41	0.06	0.43
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	19	0.41	0.06	0.43
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	19	0.39	0.04	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	19	0.39	0.04	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	19	0.39	0.04	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	19	0.39	0.04	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	19	0.39	0.04	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	19	0.39	0.04	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	19	0.39	0.04	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	19	0.39	0.04	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	19	0.39	0.04	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	19	0.39	0.04	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	19	0.39	0.04	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	19	0.39	0.04	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	19	0.39	0.04	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	19	0.39	0.04	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	19	0.39	0.04	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	19	0.39	0.04	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	19	0.39	0.04	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	19	0.39	0.04	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	19	0.39	0.04	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	19	0.39	0.04	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	19	0.39	0.04	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	19	0.39	0.04	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	19	0.39	0.04	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	19	0.39	0.04	0.37
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	19	0.32	0.03	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	19	0.32	0.03	0.32
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	19	0.29	0.04	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	19	0.29	0.04	0.31
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	19	0.27	0.21	0.2
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	19	0.27	0.21	0.2
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	19	0.19	0.04	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	19	0.19	0.04	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	19	0.19	0.04	0.16
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	19	0.13	0.02	0.14
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	19	0.13	0.02	0.14
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	19	0.13	0.02	0.14
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	19	0.13	0.02	0.14
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	19	0.12	0.02	0.12
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	18	0.76	0.02	0.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	18	0.67	0.01	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	18	0.67	0.01	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	18	0.67	0.01	0.67
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	18	0.67	0.01	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	18	0.67	0.01	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	18	0.67	0.01	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	18	0.66	0.01	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	18	0.66	0.01	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	18	0.66	0.01	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	18	0.66	0.01	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	18	0.66	0.01	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	18	0.66	0.01	0.66
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	18	0.56	0.0	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	18	0.56	0.0	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	18	0.56	0.0	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	18	0.56	0.0	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	18	0.56	0.0	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	18	0.56	0.0	0.56
(2,31)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	18	0.51	0.01	0.51
(2,31)	1:12:A:ILE:HG23	1:13:A:LEU:HB2	18	0.51	0.01	0.51
(2,31)	1:12:A:ILE:HG21	1:13:A:LEU:HB2	18	0.51	0.01	0.51
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	18	0.41	0.01	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	18	0.41	0.01	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	18	0.41	0.01	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	18	0.41	0.01	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	18	0.41	0.01	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	18	0.41	0.01	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	18	0.41	0.01	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	18	0.41	0.01	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	18	0.41	0.01	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	18	0.41	0.01	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	18	0.41	0.01	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	18	0.41	0.01	0.41
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	18	0.37	0.0	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	18	0.37	0.0	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	18	0.37	0.0	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	18	0.37	0.0	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	18	0.37	0.0	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	18	0.37	0.0	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	18	0.37	0.0	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	18	0.37	0.0	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	18	0.37	0.0	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	18	0.37	0.0	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	18	0.37	0.0	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	18	0.37	0.0	0.37
(2,30)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	18	0.31	0.01	0.31
(2,30)	1:12:A:ILE:HG23	1:13:A:LEU:HB2	18	0.31	0.01	0.31
(2,30)	1:12:A:ILE:HG21	1:13:A:LEU:HB2	18	0.31	0.01	0.31
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	18	0.28	0.01	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	18	0.28	0.01	0.28
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	18	0.26	0.01	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	18	0.26	0.01	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	18	0.26	0.01	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	18	0.26	0.01	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	18	0.26	0.01	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	18	0.26	0.01	0.26
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	18	0.26	0.01	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	18	0.26	0.01	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	18	0.26	0.01	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	18	0.26	0.01	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	18	0.26	0.01	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	18	0.26	0.01	0.26
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	18	0.22	0.14	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	18	0.22	0.14	0.19
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	18	0.21	0.01	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	18	0.21	0.01	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	18	0.21	0.01	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	18	0.21	0.01	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	18	0.21	0.01	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	18	0.21	0.01	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	18	0.21	0.01	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	18	0.21	0.01	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	18	0.21	0.01	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	18	0.21	0.01	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	18	0.21	0.01	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	18	0.21	0.01	0.21
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	18	0.15	0.0	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	18	0.15	0.0	0.15
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	18	0.12	0.0	0.12
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	18	0.11	0.0	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	18	0.11	0.0	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	18	0.11	0.0	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	18	0.11	0.0	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	18	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	18	0.11	0.0	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	18	0.11	0.0	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	18	0.11	0.0	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	18	0.11	0.0	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	18	0.11	0.0	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	18	0.11	0.0	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	18	0.11	0.0	0.11
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	17	0.12	0.02	0.12
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	17	0.12	0.02	0.12
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	17	0.12	0.01	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	17	0.12	0.01	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	17	0.12	0.01	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	17	0.12	0.01	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	17	0.12	0.01	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	17	0.12	0.01	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	17	0.12	0.01	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	17	0.12	0.01	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	17	0.12	0.01	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	17	0.12	0.01	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	17	0.12	0.01	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	17	0.12	0.01	0.11
(1,197)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	15	0.1	0.0	0.1
(1,197)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	15	0.1	0.0	0.1
(1,197)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	15	0.1	0.0	0.1
(1,197)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	15	0.1	0.0	0.1
(1,197)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	15	0.1	0.0	0.1
(1,197)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	15	0.1	0.0	0.1
(1,438)	1:9:A:ARG:HE	1:10:A:ASP:HA	14	0.11	0.01	0.11
(1,75)	1:3:A:ARG:HB2	1:3:A:ARG:HE	13	0.56	0.0	0.56
(1,75)	1:3:A:ARG:HB3	1:3:A:ARG:HE	13	0.56	0.0	0.56
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG2	13	0.14	0.04	0.12
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG3	13	0.14	0.04	0.12
(1,192)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	7	0.1	0.0	0.1
(1,192)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	7	0.1	0.0	0.1
(1,192)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	7	0.1	0.0	0.1
(1,192)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	7	0.1	0.0	0.1
(1,192)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	7	0.1	0.0	0.1
(1,192)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	7	0.1	0.0	0.1
(1,192)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	7	0.1	0.0	0.1
(1,192)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	7	0.1	0.0	0.1
(1,192)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	7	0.1	0.0	0.1
(1,192)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	7	0.1	0.0	0.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,192)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	7	0.1	0.0	0.1
(1,192)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	7	0.1	0.0	0.1
(1,199)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	7	0.1	0.0	0.1
(1,199)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	7	0.1	0.0	0.1
(1,199)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	7	0.1	0.0	0.1
(1,199)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	7	0.1	0.0	0.1
(1,199)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	7	0.1	0.0	0.1
(1,199)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	7	0.1	0.0	0.1
(1,199)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	7	0.1	0.0	0.1
(1,199)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	7	0.1	0.0	0.1
(1,199)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	7	0.1	0.0	0.1
(1,199)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	7	0.1	0.0	0.1
(1,199)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	7	0.1	0.0	0.1
(1,199)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	7	0.1	0.0	0.1
(1,485)	1:10:A:ASP:HB2	1:11:A:PHE:HA	5	0.11	0.01	0.1
(1,485)	1:10:A:ASP:HB3	1:11:A:PHE:HA	5	0.11	0.01	0.1
(1,300)	1:7:A:PHE:H	1:8:A:PHE:HB2	4	0.1	0.0	0.1
(1,300)	1:7:A:PHE:H	1:8:A:PHE:HB3	4	0.1	0.0	0.1
(1,676)	1:14:A:GLN:HA	1:17:A:LYS:HG2	3	0.46	0.46	0.13
(1,676)	1:14:A:GLN:HA	1:17:A:LYS:HG3	3	0.46	0.46	0.13
(1,596)	1:12:A:ILE:HA	1:14:A:GLN:HE21	3	0.22	0.03	0.21
(1,596)	1:12:A:ILE:HA	1:14:A:GLN:HE22	3	0.22	0.03	0.21
(1,668)	1:14:A:GLN:HE21	1:14:A:GLN:H	3	0.2	0.04	0.17
(1,668)	1:14:A:GLN:HE22	1:14:A:GLN:H	3	0.2	0.04	0.17
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD11	2	0.76	0.0	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD12	2	0.76	0.0	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD13	2	0.76	0.0	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD21	2	0.76	0.0	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD22	2	0.76	0.0	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD23	2	0.76	0.0	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD11	2	0.76	0.0	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD12	2	0.76	0.0	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD13	2	0.76	0.0	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD21	2	0.76	0.0	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD22	2	0.76	0.0	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD23	2	0.76	0.0	0.76
(1,504)	1:10:A:ASP:HA	1:13:A:LEU:HB2	2	0.53	0.0	0.53
(1,504)	1:10:A:ASP:HA	1:13:A:LEU:HB3	2	0.53	0.0	0.53
(1,630)	1:13:A:LEU:HB2	1:14:A:GLN:HG2	2	0.4	0.01	0.4
(1,630)	1:13:A:LEU:HB2	1:14:A:GLN:HG3	2	0.4	0.01	0.4
(1,630)	1:13:A:LEU:HB3	1:14:A:GLN:HG2	2	0.4	0.01	0.4
(1,630)	1:13:A:LEU:HB3	1:14:A:GLN:HG3	2	0.4	0.01	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	2	0.38	0.0	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	2	0.38	0.0	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	2	0.38	0.0	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	2	0.38	0.0	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	2	0.38	0.0	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	2	0.38	0.0	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	2	0.38	0.0	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	2	0.38	0.0	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	2	0.38	0.0	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	2	0.38	0.0	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	2	0.38	0.0	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	2	0.38	0.0	0.38
(1,505)	1:10:A:ASP:HA	1:13:A:LEU:HB2	2	0.33	0.0	0.33
(1,505)	1:10:A:ASP:HA	1:13:A:LEU:HB3	2	0.33	0.0	0.33
(1,629)	1:13:A:LEU:HB2	1:14:A:GLN:H	2	0.3	0.01	0.3
(1,629)	1:13:A:LEU:HB3	1:14:A:GLN:H	2	0.3	0.01	0.3
(1,615)	1:13:A:LEU:HA	1:13:A:LEU:HG	2	0.25	0.0	0.25
(1,632)	1:13:A:LEU:HD11	1:14:A:GLN:HE21	2	0.25	0.0	0.25
(1,632)	1:13:A:LEU:HD11	1:14:A:GLN:HE22	2	0.25	0.0	0.25
(1,632)	1:13:A:LEU:HD12	1:14:A:GLN:HE21	2	0.25	0.0	0.25
(1,632)	1:13:A:LEU:HD12	1:14:A:GLN:HE22	2	0.25	0.0	0.25
(1,632)	1:13:A:LEU:HD13	1:14:A:GLN:HE21	2	0.25	0.0	0.25
(1,632)	1:13:A:LEU:HD13	1:14:A:GLN:HE22	2	0.25	0.0	0.25
(1,632)	1:13:A:LEU:HD21	1:14:A:GLN:HE21	2	0.25	0.0	0.25
(1,632)	1:13:A:LEU:HD21	1:14:A:GLN:HE22	2	0.25	0.0	0.25
(1,632)	1:13:A:LEU:HD22	1:14:A:GLN:HE21	2	0.25	0.0	0.25
(1,632)	1:13:A:LEU:HD22	1:14:A:GLN:HE22	2	0.25	0.0	0.25
(1,632)	1:13:A:LEU:HD23	1:14:A:GLN:HE21	2	0.25	0.0	0.25
(1,632)	1:13:A:LEU:HD23	1:14:A:GLN:HE22	2	0.25	0.0	0.25
(1,635)	1:13:A:LEU:HD11	1:14:A:GLN:HE21	2	0.25	0.0	0.25
(1,635)	1:13:A:LEU:HD11	1:14:A:GLN:HE22	2	0.25	0.0	0.25
(1,635)	1:13:A:LEU:HD12	1:14:A:GLN:HE21	2	0.25	0.0	0.25
(1,635)	1:13:A:LEU:HD12	1:14:A:GLN:HE22	2	0.25	0.0	0.25
(1,635)	1:13:A:LEU:HD13	1:14:A:GLN:HE21	2	0.25	0.0	0.25
(1,635)	1:13:A:LEU:HD13	1:14:A:GLN:HE22	2	0.25	0.0	0.25
(1,635)	1:13:A:LEU:HD21	1:14:A:GLN:HE21	2	0.25	0.0	0.25
(1,635)	1:13:A:LEU:HD21	1:14:A:GLN:HE22	2	0.25	0.0	0.25
(1,635)	1:13:A:LEU:HD22	1:14:A:GLN:HE21	2	0.25	0.0	0.25
(1,635)	1:13:A:LEU:HD22	1:14:A:GLN:HE22	2	0.25	0.0	0.25
(1,635)	1:13:A:LEU:HD23	1:14:A:GLN:HE21	2	0.25	0.0	0.25
(1,635)	1:13:A:LEU:HD23	1:14:A:GLN:HE22	2	0.25	0.0	0.25
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD11	2	0.24	0.0	0.24

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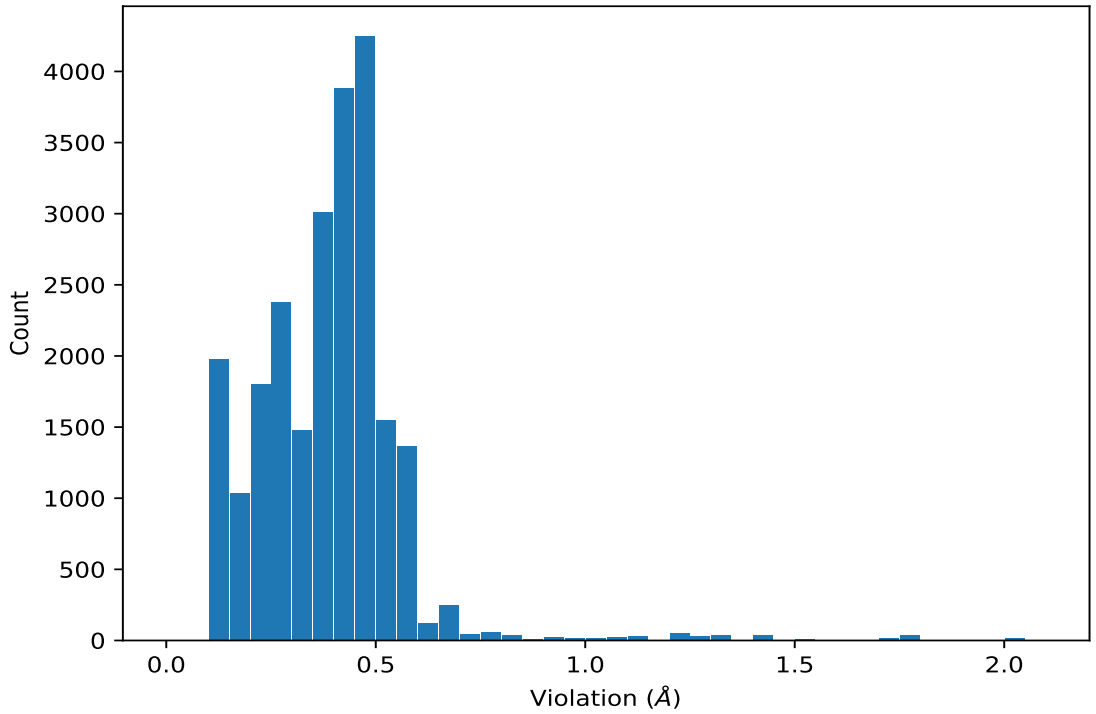
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD12	2	0.24	0.0	0.24
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD13	2	0.24	0.0	0.24
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD21	2	0.24	0.0	0.24
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD22	2	0.24	0.0	0.24
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD23	2	0.24	0.0	0.24
(1,593)	1:12:A:ILE:H	1:13:A:LEU:HB2	2	0.22	0.0	0.22
(1,593)	1:12:A:ILE:H	1:13:A:LEU:HB3	2	0.22	0.0	0.22
(1,650)	1:13:A:LEU:HD11	1:16:A:LYS:HE2	2	0.21	0.0	0.21
(1,650)	1:13:A:LEU:HD11	1:16:A:LYS:HE3	2	0.21	0.0	0.21
(1,650)	1:13:A:LEU:HD12	1:16:A:LYS:HE2	2	0.21	0.0	0.21
(1,650)	1:13:A:LEU:HD12	1:16:A:LYS:HE3	2	0.21	0.0	0.21
(1,650)	1:13:A:LEU:HD13	1:16:A:LYS:HE2	2	0.21	0.0	0.21
(1,650)	1:13:A:LEU:HD13	1:16:A:LYS:HE3	2	0.21	0.0	0.21
(1,650)	1:13:A:LEU:HD21	1:16:A:LYS:HE2	2	0.21	0.0	0.21
(1,650)	1:13:A:LEU:HD21	1:16:A:LYS:HE3	2	0.21	0.0	0.21
(1,650)	1:13:A:LEU:HD22	1:16:A:LYS:HE2	2	0.21	0.0	0.21
(1,650)	1:13:A:LEU:HD22	1:16:A:LYS:HE3	2	0.21	0.0	0.21
(1,650)	1:13:A:LEU:HD23	1:16:A:LYS:HE2	2	0.21	0.0	0.21
(1,650)	1:13:A:LEU:HD23	1:16:A:LYS:HE3	2	0.21	0.0	0.21
(3,10)	1:10:A:ASP:O	1:14:A:GLN:N	2	0.18	0.0	0.18
(1,330)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	2	0.13	0.0	0.13
(1,330)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	2	0.13	0.0	0.13
(1,330)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	2	0.13	0.0	0.13
(1,330)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	2	0.13	0.0	0.13
(1,647)	1:13:A:LEU:HA	1:16:A:LYS:H	2	0.13	0.03	0.13
(1,265)	1:6:A:ALA:HB1	1:9:A:ARG:HE	2	0.12	0.0	0.12
(1,265)	1:6:A:ALA:HB2	1:9:A:ARG:HE	2	0.12	0.0	0.12
(1,265)	1:6:A:ALA:HB3	1:9:A:ARG:HE	2	0.12	0.0	0.12
(1,385)	1:8:A:PHE:HA	1:9:A:ARG:H	2	0.12	0.0	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD11	2	0.12	0.0	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD12	2	0.12	0.0	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD13	2	0.12	0.0	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD21	2	0.12	0.0	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD22	2	0.12	0.0	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD23	2	0.12	0.0	0.12
(1,724)	1:16:A:LYS:HA	1:16:A:LYS:HG2	2	0.11	0.0	0.11
(1,724)	1:16:A:LYS:HA	1:16:A:LYS:HG3	2	0.11	0.0	0.11

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

9.5 All violated distance restraints

9.5.1 Histogram : Distribution of distance violations

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



9.5.2 Table : All distance violations

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,34)	1:12:A:ILE:HG22	1:14:A:GLN:HG2	1	2.06
(2,34)	1:12:A:ILE:HG21	1:14:A:GLN:HG2	5	2.06
(2,34)	1:12:A:ILE:HG22	1:14:A:GLN:HG2	12	2.06
(2,34)	1:12:A:ILE:HG21	1:14:A:GLN:HG2	19	2.06
(2,34)	1:12:A:ILE:HG22	1:14:A:GLN:HG2	2	2.05
(2,34)	1:12:A:ILE:HG23	1:14:A:GLN:HG2	3	2.05
(2,34)	1:12:A:ILE:HG22	1:14:A:GLN:HG2	6	2.05
(2,34)	1:12:A:ILE:HG22	1:14:A:GLN:HG2	7	2.05
(2,34)	1:12:A:ILE:HG21	1:14:A:GLN:HG2	9	2.05
(2,34)	1:12:A:ILE:HG22	1:14:A:GLN:HG2	10	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,34)	1:12:A:ILE:HG23	1:14:A:GLN:HG2	13	2.05
(2,34)	1:12:A:ILE:HG23	1:14:A:GLN:HG2	14	2.05
(2,34)	1:12:A:ILE:HG21	1:14:A:GLN:HG2	16	2.05
(2,34)	1:12:A:ILE:HG21	1:14:A:GLN:HG2	17	2.05
(2,34)	1:12:A:ILE:HG23	1:14:A:GLN:HG2	18	2.05
(2,34)	1:12:A:ILE:HG22	1:14:A:GLN:HG2	20	2.05
(2,34)	1:12:A:ILE:HG23	1:14:A:GLN:HG2	11	2.04
(2,34)	1:12:A:ILE:HG23	1:14:A:GLN:HG2	4	2.02
(2,34)	1:12:A:ILE:HG21	1:14:A:GLN:HG2	8	2.02
(2,34)	1:12:A:ILE:HG22	1:14:A:GLN:HG3	15	1.83
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	4	1.81
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	8	1.81
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	15	1.79
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	4	1.78
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	8	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	1	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	2	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	3	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	5	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	6	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	7	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	9	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	10	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	11	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	12	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	13	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	14	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	16	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	17	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	18	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	19	1.78
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	20	1.78
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	2	1.76
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	9	1.76
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	10	1.76
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	13	1.76
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	14	1.76
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	15	1.76
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	16	1.76
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	17	1.76
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	18	1.76
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	19	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	4	1.76
(2,2)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	8	1.76
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	9	1.75
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	1	1.75
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	3	1.75
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	5	1.75
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	6	1.75
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	7	1.75
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	11	1.75
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	12	1.75
(2,3)	1:7:A:PHE:HD1	1:12:A:ILE:HG12	20	1.75
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	1	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	2	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	3	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	5	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	6	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	7	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	10	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	13	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	14	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	15	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	16	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	17	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	18	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	19	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	20	1.74
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	11	1.73
(2,14)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	12	1.73
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG22	1	1.55
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG22	6	1.55
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG21	9	1.55
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG22	12	1.55
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG23	14	1.55
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG21	17	1.55
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG22	2	1.54
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG23	3	1.54
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG21	5	1.54
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG22	7	1.54
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG23	13	1.54
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG21	16	1.54
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG23	18	1.54
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG22	20	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG22	10	1.53
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG23	11	1.53
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG22	15	1.53
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG21	19	1.52
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG23	11	1.43
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG22	12	1.43
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	5	1.43
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	15	1.43
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG22	1	1.42
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG22	2	1.42
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG23	3	1.42
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG21	5	1.42
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG22	6	1.42
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG22	7	1.42
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG21	9	1.42
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG22	10	1.42
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG23	13	1.42
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG23	14	1.42
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG21	16	1.42
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG21	17	1.42
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG23	18	1.42
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG22	20	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	1	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	2	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	3	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	6	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	7	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	9	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	10	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	11	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	12	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	13	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	14	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	16	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	17	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	18	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	19	1.42
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	20	1.42
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG22	15	1.41
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG21	19	1.41
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG23	4	1.4
(2,27)	1:11:A:PHE:H	1:12:A:ILE:HG21	8	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,40)	1:12:A:ILE:HG21	1:16:A:LYS:HB3	15	1.38
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	4	1.35
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG23	4	1.35
(2,15)	1:9:A:ARG:HE	1:12:A:ILE:HG21	8	1.35
(2,40)	1:12:A:ILE:HG22	1:16:A:LYS:HB3	11	1.34
(2,22)	1:11:A:PHE:HB3	1:12:A:ILE:HG13	8	1.34
(2,40)	1:12:A:ILE:HG22	1:16:A:LYS:HB3	4	1.33
(2,40)	1:12:A:ILE:HG23	1:16:A:LYS:HB3	8	1.33
(2,39)	1:12:A:ILE:HG21	1:16:A:LYS:HA	15	1.32
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG22	12	1.32
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG22	6	1.31
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG23	14	1.31
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG21	16	1.31
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG22	20	1.31
(2,35)	1:12:A:ILE:HG22	1:14:A:GLN:H	1	1.3
(2,35)	1:12:A:ILE:HG22	1:14:A:GLN:H	2	1.3
(2,35)	1:12:A:ILE:HG23	1:14:A:GLN:H	3	1.3
(2,35)	1:12:A:ILE:HG21	1:14:A:GLN:H	5	1.3
(2,35)	1:12:A:ILE:HG22	1:14:A:GLN:H	6	1.3
(2,35)	1:12:A:ILE:HG22	1:14:A:GLN:H	7	1.3
(2,35)	1:12:A:ILE:HG21	1:14:A:GLN:H	9	1.3
(2,35)	1:12:A:ILE:HG22	1:14:A:GLN:H	10	1.3
(2,35)	1:12:A:ILE:HG23	1:14:A:GLN:H	11	1.3
(2,35)	1:12:A:ILE:HG22	1:14:A:GLN:H	12	1.3
(2,35)	1:12:A:ILE:HG23	1:14:A:GLN:H	13	1.3
(2,35)	1:12:A:ILE:HG23	1:14:A:GLN:H	14	1.3
(2,35)	1:12:A:ILE:HG21	1:14:A:GLN:H	16	1.3
(2,35)	1:12:A:ILE:HG21	1:14:A:GLN:H	17	1.3
(2,35)	1:12:A:ILE:HG23	1:14:A:GLN:H	18	1.3
(2,35)	1:12:A:ILE:HG21	1:14:A:GLN:H	19	1.3
(2,35)	1:12:A:ILE:HG22	1:14:A:GLN:H	20	1.3
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG22	1	1.3
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG22	2	1.3
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG23	3	1.3
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG21	5	1.3
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG22	7	1.3
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG21	9	1.3
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG23	11	1.3
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG23	13	1.3
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG21	17	1.3
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG23	18	1.3
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG22	10	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG22	15	1.29
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG23	4	1.28
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG21	8	1.28
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG21	19	1.28
(1,18)	1:2:A:MET:HG2	1:3:A:ARG:HA	9	1.28
(1,18)	1:2:A:MET:HG3	1:3:A:ARG:HA	9	1.28
(1,16)	1:2:A:MET:HG2	1:3:A:ARG:HA	9	1.28
(1,16)	1:2:A:MET:HG3	1:3:A:ARG:HA	9	1.28
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG22	12	1.27
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG22	1	1.26
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG22	2	1.26
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG23	3	1.26
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG21	5	1.26
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG22	6	1.26
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG22	7	1.26
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG21	9	1.26
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG23	11	1.26
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG23	13	1.26
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG23	14	1.26
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG21	16	1.26
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG21	17	1.26
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG23	18	1.26
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG22	20	1.26
(2,39)	1:12:A:ILE:HG22	1:16:A:LYS:HA	4	1.25
(2,39)	1:12:A:ILE:HG23	1:16:A:LYS:HA	8	1.25
(2,35)	1:12:A:ILE:HG22	1:14:A:GLN:H	15	1.25
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG22	10	1.25
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG22	15	1.25
(2,18)	1:10:A:ASP:HA	1:12:A:ILE:HG21	19	1.25
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	1	1.24
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	2	1.24
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	3	1.24
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	5	1.24
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	7	1.24
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	11	1.24
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	12	1.24
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	20	1.24
(2,39)	1:12:A:ILE:HG22	1:16:A:LYS:HA	3	1.24
(2,39)	1:12:A:ILE:HG21	1:16:A:LYS:HA	6	1.24
(2,39)	1:12:A:ILE:HG21	1:16:A:LYS:HA	7	1.24
(2,39)	1:12:A:ILE:HG23	1:16:A:LYS:HA	9	1.24
(2,39)	1:12:A:ILE:HG22	1:16:A:LYS:HA	14	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,39)	1:12:A:ILE:HG21	1:16:A:LYS:HA	20	1.24
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	6	1.23
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	9	1.23
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	10	1.23
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	13	1.23
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	14	1.23
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	16	1.23
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	17	1.23
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	18	1.23
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	19	1.23
(2,40)	1:12:A:ILE:HG23	1:16:A:LYS:HB3	9	1.23
(2,40)	1:12:A:ILE:HG22	1:16:A:LYS:HB3	14	1.23
(2,39)	1:12:A:ILE:HG21	1:16:A:LYS:HA	1	1.23
(2,39)	1:12:A:ILE:HG21	1:16:A:LYS:HA	2	1.23
(2,39)	1:12:A:ILE:HG23	1:16:A:LYS:HA	5	1.23
(2,39)	1:12:A:ILE:HG21	1:16:A:LYS:HA	10	1.23
(2,39)	1:12:A:ILE:HG22	1:16:A:LYS:HA	11	1.23
(2,39)	1:12:A:ILE:HG21	1:16:A:LYS:HA	12	1.23
(2,39)	1:12:A:ILE:HG22	1:16:A:LYS:HA	13	1.23
(2,39)	1:12:A:ILE:HG23	1:16:A:LYS:HA	16	1.23
(2,39)	1:12:A:ILE:HG23	1:16:A:LYS:HA	17	1.23
(2,39)	1:12:A:ILE:HG22	1:16:A:LYS:HA	18	1.23
(2,39)	1:12:A:ILE:HG23	1:16:A:LYS:HA	19	1.23
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	15	1.22
(2,40)	1:12:A:ILE:HG21	1:16:A:LYS:HB3	2	1.22
(2,40)	1:12:A:ILE:HG22	1:16:A:LYS:HB3	3	1.22
(2,40)	1:12:A:ILE:HG21	1:16:A:LYS:HB3	6	1.22
(2,40)	1:12:A:ILE:HG21	1:16:A:LYS:HB3	7	1.22
(2,40)	1:12:A:ILE:HG22	1:16:A:LYS:HB3	13	1.22
(2,40)	1:12:A:ILE:HG22	1:16:A:LYS:HB3	18	1.22
(2,40)	1:12:A:ILE:HG21	1:16:A:LYS:HB3	20	1.22
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	4	1.21
(3,1)	1:6:A:ALA:O	1:10:A:ASP:H	8	1.21
(2,40)	1:12:A:ILE:HG21	1:16:A:LYS:HB3	1	1.21
(2,40)	1:12:A:ILE:HG23	1:16:A:LYS:HB3	5	1.21
(2,40)	1:12:A:ILE:HG21	1:16:A:LYS:HB3	10	1.21
(2,40)	1:12:A:ILE:HG23	1:16:A:LYS:HB3	16	1.21
(2,40)	1:12:A:ILE:HG23	1:16:A:LYS:HB3	17	1.21
(2,40)	1:12:A:ILE:HG21	1:16:A:LYS:HB3	12	1.2
(2,40)	1:12:A:ILE:HG23	1:16:A:LYS:HB3	19	1.2
(2,35)	1:12:A:ILE:HG23	1:14:A:GLN:H	4	1.15
(2,35)	1:12:A:ILE:HG21	1:14:A:GLN:H	8	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	4	1.15
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	8	1.15
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	15	1.15
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	15	1.15
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	15	1.13
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG23	4	1.12
(2,16)	1:9:A:ARG:H	1:12:A:ILE:HG21	8	1.12
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	2	1.12
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	3	1.12
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	5	1.12
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	6	1.12
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	7	1.12
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	9	1.12
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	10	1.12
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	13	1.12
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	14	1.12
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	16	1.12
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	17	1.12
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	18	1.12
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	19	1.12
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	20	1.12
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	1	1.11
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	11	1.11
(2,5)	1:7:A:PHE:HE1	1:12:A:ILE:HG12	12	1.11
(1,676)	1:14:A:GLN:HA	1:17:A:LYS:HG2	11	1.11
(1,676)	1:14:A:GLN:HA	1:17:A:LYS:HG3	11	1.11
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD12	4	1.08
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD13	8	1.08
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD12	9	1.08
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD13	12	1.08
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD13	15	1.08
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD12	16	1.08
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD12	20	1.08
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD11	1	1.07
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD13	3	1.07
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD11	5	1.07
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD13	6	1.07
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD13	7	1.07
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD13	10	1.07
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD11	13	1.07
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD13	14	1.07
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD13	17	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD13	18	1.07
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD11	19	1.07
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD11	2	1.06
(2,21)	1:11:A:PHE:HA	1:12:A:ILE:HD11	11	1.06
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG22	12	1.05
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG22	1	1.04
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG22	6	1.04
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG23	14	1.04
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG21	16	1.04
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG22	20	1.04
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG22	2	1.03
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG23	3	1.03
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG21	5	1.03
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG22	7	1.03
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG21	9	1.03
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG22	10	1.03
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG23	11	1.03
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG23	13	1.03
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG22	15	1.03
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG21	17	1.03
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG23	18	1.03
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG21	19	1.02
(2,41)	1:12:A:ILE:HG21	1:16:A:LYS:HE2	19	1.0
(2,41)	1:12:A:ILE:HG22	1:16:A:LYS:HE2	12	0.98
(2,41)	1:12:A:ILE:HG22	1:16:A:LYS:HE2	10	0.97
(2,41)	1:12:A:ILE:HG22	1:16:A:LYS:HE2	1	0.96
(2,41)	1:12:A:ILE:HG23	1:16:A:LYS:HE2	3	0.96
(2,41)	1:12:A:ILE:HG21	1:16:A:LYS:HE2	5	0.96
(2,41)	1:12:A:ILE:HG22	1:16:A:LYS:HE2	7	0.96
(2,41)	1:12:A:ILE:HG21	1:16:A:LYS:HE2	9	0.96
(2,41)	1:12:A:ILE:HG23	1:16:A:LYS:HE2	13	0.96
(2,41)	1:12:A:ILE:HG21	1:16:A:LYS:HE2	16	0.96
(2,41)	1:12:A:ILE:HG21	1:16:A:LYS:HE2	17	0.96
(2,41)	1:12:A:ILE:HG23	1:16:A:LYS:HE2	18	0.96
(2,41)	1:12:A:ILE:HG22	1:16:A:LYS:HE2	20	0.96
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	15	0.96
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	15	0.96
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	15	0.96
(2,41)	1:12:A:ILE:HG22	1:16:A:LYS:HE2	2	0.95
(2,41)	1:12:A:ILE:HG22	1:16:A:LYS:HE2	6	0.95
(2,41)	1:12:A:ILE:HG23	1:16:A:LYS:HE2	14	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD13	1	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD13	2	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	3	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD13	5	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	6	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	7	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD11	9	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	10	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD13	11	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	12	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD13	13	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	14	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD11	16	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	17	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	18	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD13	19	0.95
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD11	20	0.95
(2,41)	1:12:A:ILE:HG21	1:16:A:LYS:HE2	15	0.91
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD11	4	0.91
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	8	0.91
(2,32)	1:12:A:ILE:HG23	1:13:A:LEU:HG	4	0.89
(2,32)	1:12:A:ILE:HG21	1:13:A:LEU:HG	8	0.89
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG23	4	0.89
(2,19)	1:10:A:ASP:H	1:12:A:ILE:HG21	8	0.89
(2,41)	1:12:A:ILE:HG22	1:16:A:LYS:HE2	4	0.87
(2,41)	1:12:A:ILE:HG23	1:16:A:LYS:HE2	8	0.87
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	4	0.86
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	8	0.86
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	15	0.86
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	2	0.85
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	3	0.85
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	5	0.85
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	6	0.85
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	7	0.85
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	9	0.85
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	10	0.85
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	11	0.85
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	13	0.85
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	14	0.85
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	15	0.85
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	16	0.85
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	17	0.85
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	18	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	19	0.85
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	20	0.85
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	2	0.84
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	5	0.84
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	9	0.84
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	10	0.84
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	11	0.84
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	13	0.84
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	14	0.84
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	17	0.84
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	19	0.84
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	1	0.84
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	12	0.84
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	1	0.83
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	3	0.83
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	6	0.83
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	7	0.83
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	12	0.83
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	16	0.83
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	18	0.83
(3,5)	1:8:A:PHE:O	1:12:A:ILE:H	20	0.83
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	4	0.8
(2,7)	1:7:A:PHE:HZ	1:12:A:ILE:HG12	8	0.8
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	11	0.8
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	15	0.79
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	15	0.79
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	3	0.76
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	7	0.76
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	10	0.76
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	11	0.76
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	15	0.76
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	16	0.76
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	18	0.76
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	19	0.76
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	20	0.76
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	1	0.76
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	2	0.76
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	3	0.76
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	5	0.76
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	6	0.76
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	7	0.76
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	9	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	10	0.76
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	12	0.76
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	13	0.76
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	14	0.76
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	16	0.76
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	17	0.76
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	18	0.76
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	20	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD11	4	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD12	4	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD13	4	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD21	4	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD22	4	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD23	4	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD11	8	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD12	8	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD13	8	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD21	8	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD22	8	0.76
(1,588)	1:12:A:ILE:HB	1:13:A:LEU:HD23	8	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD11	4	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD12	4	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD13	4	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD21	4	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD22	4	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD23	4	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD11	8	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD12	8	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD13	8	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD21	8	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD22	8	0.76
(1,587)	1:12:A:ILE:HB	1:13:A:LEU:HD23	8	0.76
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	2	0.75
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	5	0.75
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	6	0.75
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	9	0.75
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	12	0.75
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	13	0.75
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	14	0.75
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	17	0.75
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	19	0.75
(2,41)	1:12:A:ILE:HG22	1:16:A:LYS:HE2	11	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	1	0.74
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	1	0.73
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	2	0.73
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	3	0.73
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	5	0.73
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	6	0.73
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	7	0.73
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	9	0.73
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	10	0.73
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	11	0.73
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	12	0.73
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	13	0.73
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	14	0.73
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	16	0.73
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	17	0.73
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	18	0.73
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	19	0.73
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	20	0.73
(2,43)	1:12:A:ILE:HG23	1:16:A:LYS:H	5	0.72
(2,43)	1:12:A:ILE:HG21	1:16:A:LYS:H	6	0.72
(2,43)	1:12:A:ILE:HG21	1:16:A:LYS:H	7	0.72
(2,43)	1:12:A:ILE:HG21	1:16:A:LYS:H	12	0.72
(2,43)	1:12:A:ILE:HG22	1:16:A:LYS:H	14	0.72
(2,43)	1:12:A:ILE:HG21	1:16:A:LYS:H	15	0.72
(2,43)	1:12:A:ILE:HG21	1:16:A:LYS:H	20	0.72
(2,43)	1:12:A:ILE:HG21	1:16:A:LYS:H	1	0.71
(2,43)	1:12:A:ILE:HG21	1:16:A:LYS:H	2	0.71
(2,43)	1:12:A:ILE:HG22	1:16:A:LYS:H	3	0.71
(2,43)	1:12:A:ILE:HG23	1:16:A:LYS:H	9	0.71
(2,43)	1:12:A:ILE:HG21	1:16:A:LYS:H	10	0.71
(2,43)	1:12:A:ILE:HG22	1:16:A:LYS:H	13	0.71
(2,43)	1:12:A:ILE:HG23	1:16:A:LYS:H	16	0.71
(2,43)	1:12:A:ILE:HG23	1:16:A:LYS:H	17	0.71
(2,43)	1:12:A:ILE:HG22	1:16:A:LYS:H	18	0.71
(2,43)	1:12:A:ILE:HG23	1:16:A:LYS:H	19	0.71
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	4	0.71
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	11	0.71
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	11	0.71
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	11	0.71
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	11	0.71
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	11	0.71
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	11	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,9)	1:8:A:PHE:HZ	1:12:A:ILE:HG12	8	0.7
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	15	0.69
(1,638)	1:13:A:LEU:HG	1:14:A:GLN:HA	15	0.67
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	1	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	1	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	1	0.67
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	1	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	1	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	1	0.67
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	2	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	2	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	2	0.67
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	2	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	2	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	2	0.67
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	3	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	3	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	3	0.67
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	3	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	3	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	3	0.67
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	5	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	5	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	5	0.67
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	5	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	5	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	5	0.67
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	6	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	6	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	6	0.67
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	6	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	6	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	6	0.67
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	7	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	7	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	7	0.67
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	7	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	7	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	7	0.67
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	9	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	9	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	9	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	9	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	9	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	9	0.67
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	10	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	10	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	10	0.67
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	10	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	10	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	10	0.67
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	12	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	12	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	12	0.67
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	12	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	12	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	12	0.67
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	13	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	13	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	13	0.67
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	13	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	13	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	13	0.67
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	14	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	14	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	14	0.67
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	14	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	14	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	14	0.67
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	16	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	16	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	16	0.67
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	16	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	16	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	16	0.67
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	17	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	17	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	17	0.67
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	17	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	17	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	17	0.67
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	18	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	18	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	18	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	18	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	18	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	18	0.67
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	19	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	19	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	19	0.67
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	19	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	19	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	19	0.67
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	20	0.67
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	20	0.67
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	20	0.67
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	20	0.67
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	20	0.67
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	20	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	5	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	5	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	5	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	5	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	5	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	5	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	12	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	12	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	12	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	12	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	12	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	12	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	14	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	14	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	14	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	14	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	14	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	14	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	16	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	16	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	16	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	16	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	16	0.67
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	16	0.67
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	4	0.67
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	4	0.67
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	8	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	8	0.67
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	1	0.66
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	2	0.66
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	3	0.66
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	5	0.66
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	6	0.66
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	7	0.66
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	9	0.66
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	10	0.66
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	11	0.66
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	13	0.66
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	14	0.66
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	16	0.66
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	17	0.66
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	18	0.66
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	19	0.66
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	20	0.66
(2,43)	1:12:A:ILE:HG22	1:16:A:LYS:H	4	0.66
(2,43)	1:12:A:ILE:HG23	1:16:A:LYS:H	8	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	1	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	2	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	3	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	5	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	6	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	7	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	9	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	10	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	11	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	12	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	13	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	14	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	16	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	17	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	18	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	19	0.66
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	20	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	1	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	1	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	1	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	1	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	1	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	1	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	2	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	2	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	2	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	2	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	2	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	2	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	3	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	3	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	3	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	3	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	3	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	3	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	6	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	6	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	6	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	6	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	6	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	6	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	7	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	7	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	7	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	7	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	7	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	7	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	9	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	9	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	9	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	9	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	9	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	9	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	10	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	10	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	10	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	10	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	10	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	10	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	11	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	11	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	11	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	11	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	11	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	13	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	13	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	13	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	13	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	13	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	13	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	17	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	17	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	17	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	17	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	17	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	17	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	18	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	18	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	18	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	18	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	18	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	18	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	19	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	19	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	19	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	19	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	19	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	19	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	20	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	20	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	20	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	20	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	20	0.66
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	20	0.66
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	12	0.65
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	15	0.65
(2,43)	1:12:A:ILE:HG22	1:16:A:LYS:H	11	0.65
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	15	0.65
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	15	0.65
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD11	15	0.65
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD12	15	0.65
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD13	15	0.65
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD21	15	0.65
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD22	15	0.65
(1,548)	1:11:A:PHE:HA	1:13:A:LEU:HD23	15	0.65
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	11	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	9	0.64
(1,631)	1:13:A:LEU:HD11	1:14:A:GLN:HA	15	0.63
(1,631)	1:13:A:LEU:HD12	1:14:A:GLN:HA	15	0.63
(1,631)	1:13:A:LEU:HD13	1:14:A:GLN:HA	15	0.63
(1,631)	1:13:A:LEU:HD21	1:14:A:GLN:HA	15	0.63
(1,631)	1:13:A:LEU:HD22	1:14:A:GLN:HA	15	0.63
(1,631)	1:13:A:LEU:HD23	1:14:A:GLN:HA	15	0.63
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	11	0.63
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	3	0.63
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	11	0.62
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	11	0.62
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	1	0.62
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	2	0.62
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	3	0.62
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	5	0.62
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	6	0.62
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	7	0.62
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	9	0.62
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	10	0.62
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	12	0.62
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	13	0.62
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	14	0.62
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	16	0.62
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	17	0.62
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	18	0.62
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	19	0.62
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	20	0.62
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	4	0.62
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	4	0.62
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	4	0.62
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	4	0.62
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	4	0.62
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	4	0.62
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	8	0.62
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	8	0.62
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	8	0.62
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	8	0.62
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	8	0.62
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	8	0.62
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	4	0.62
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	4	0.62
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	4	0.62
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	4	0.62
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	4	0.62
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	8	0.62
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	8	0.62
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	8	0.62
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	8	0.62
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	8	0.62
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	8	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	1	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	2	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	3	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	5	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	6	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	7	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	9	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	10	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	12	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	13	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	14	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	15	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	16	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	17	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	18	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	19	0.62
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	20	0.62
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	5	0.62
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	15	0.62
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	20	0.62
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	1	0.61
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	2	0.61
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	3	0.61
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	5	0.61
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	7	0.61
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	11	0.61
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	12	0.61
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	15	0.61
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	20	0.61
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	4	0.61
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	4	0.61
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	8	0.61
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	8	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	1	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	1	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	2	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	2	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	3	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	3	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	5	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	5	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	6	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	6	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	7	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	7	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	9	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	9	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	10	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	10	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	11	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	11	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	12	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	12	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	13	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	13	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	14	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	14	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	16	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	16	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	17	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	17	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	18	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	18	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	19	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	19	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	20	0.61
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	20	0.61
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	4	0.61
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	4	0.61
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	8	0.61
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	8	0.61
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	11	0.61
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	14	0.61
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	10	0.61
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	6	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	9	0.6
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	10	0.6
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	13	0.6
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	14	0.6
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	16	0.6
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	17	0.6
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	18	0.6
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	19	0.6
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	15	0.6
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	15	0.6
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	15	0.6
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	15	0.6
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	15	0.6
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	15	0.6
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	15	0.6
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	15	0.6
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	15	0.6
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	15	0.6
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	15	0.6
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	15	0.6
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	15	0.6
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	4	0.6
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	4	0.6
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	4	0.6
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	4	0.6
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	8	0.6
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	8	0.6
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	8	0.6
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	8	0.6
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	4	0.6
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	8	0.6
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	18	0.6
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	11	0.59
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	11	0.59
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	1	0.59
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	1	0.59
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	5	0.59
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	5	0.59
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	7	0.59
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	7	0.59
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	19	0.59
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	15	0.59
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	11	0.59
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	11	0.59
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	15	0.59
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	15	0.59
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	15	0.59
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	15	0.59
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	17	0.59
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	17	0.59
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	3	0.59
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	6	0.59
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	7	0.59
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	16	0.59
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	11	0.58
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	11	0.58
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	11	0.58
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	11	0.58
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	11	0.58
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	2	0.58
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	2	0.58
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	3	0.58
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	3	0.58
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	6	0.58
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	6	0.58
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	9	0.58
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	9	0.58
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	10	0.58
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	10	0.58
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	12	0.58
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	12	0.58
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	13	0.58
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	13	0.58
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	14	0.58
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	14	0.58
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	16	0.58
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	16	0.58
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	17	0.58
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	17	0.58
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	18	0.58
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	18	0.58
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	20	0.58
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	20	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	4	0.58
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	4	0.58
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	8	0.58
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	8	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	1	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	1	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	1	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	1	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	1	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	1	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	1	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	1	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	1	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	1	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	1	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	1	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	2	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	2	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	2	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	2	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	2	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	2	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	2	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	2	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	2	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	2	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	2	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	2	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	3	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	3	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	3	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	3	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	3	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	3	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	3	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	3	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	3	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	3	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	3	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	3	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	5	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	5	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	5	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	5	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	5	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	5	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	5	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	5	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	5	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	5	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	5	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	5	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	6	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	6	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	6	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	6	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	6	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	6	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	6	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	6	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	6	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	6	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	6	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	6	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	7	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	7	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	7	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	7	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	7	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	7	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	7	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	7	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	7	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	7	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	7	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	7	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	9	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	9	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	9	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	9	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	9	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	9	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	9	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	9	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	9	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	9	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	9	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	10	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	10	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	10	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	10	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	10	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	10	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	10	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	10	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	10	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	10	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	10	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	10	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	12	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	12	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	12	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	12	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	12	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	12	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	12	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	12	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	12	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	12	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	12	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	12	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	13	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	13	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	13	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	13	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	13	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	13	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	13	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	13	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	13	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	13	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	13	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	13	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	14	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	14	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	14	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	14	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	14	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	14	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	14	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	14	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	14	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	14	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	14	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	14	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	16	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	16	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	16	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	16	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	16	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	16	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	16	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	16	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	16	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	16	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	16	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	16	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	17	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	17	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	17	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	17	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	17	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	17	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	17	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	17	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	17	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	17	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	17	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	17	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	18	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	18	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	18	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	18	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	18	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	18	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	18	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	18	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	18	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	18	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	18	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	18	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	20	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	20	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	20	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	20	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	20	0.58
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	20	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	20	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	20	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	20	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	20	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	20	0.58
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	20	0.58
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	14	0.58
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	14	0.58
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	18	0.58
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	18	0.58
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	20	0.58
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	4	0.57
(3,2)	1:6:A:ALA:O	1:10:A:ASP:N	8	0.57
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	11	0.57
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	11	0.57
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	15	0.57
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	15	0.57
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	1	0.57
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	1	0.57
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	2	0.57
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	2	0.57
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	3	0.57
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	3	0.57
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	5	0.57
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	5	0.57
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	6	0.57
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	6	0.57
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	7	0.57
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	7	0.57
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	9	0.57
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	9	0.57
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	10	0.57
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	12	0.57
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	12	0.57
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	13	0.57
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	13	0.57
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	14	0.57
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	14	0.57
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	16	0.57
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	16	0.57
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	17	0.57
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	17	0.57
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	18	0.57
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	18	0.57
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	20	0.57
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	20	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	5	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	5	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	5	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	5	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	5	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	5	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	12	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	12	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	12	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	12	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	12	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	12	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	14	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	14	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	14	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	14	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	14	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	14	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	16	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	16	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	16	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	16	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	16	0.57
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	16	0.57
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	4	0.57
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	4	0.57
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	4	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	4	0.57
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	4	0.57
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	4	0.57
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	8	0.57
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	8	0.57
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	8	0.57
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	8	0.57
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	8	0.57
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	8	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	1	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	1	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	1	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	1	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	1	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	1	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	1	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	1	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	1	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	1	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	1	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	1	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	3	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	3	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	3	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	3	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	3	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	3	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	3	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	3	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	3	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	3	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	3	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	3	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	6	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	6	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	6	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	6	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	6	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	6	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	6	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	6	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	6	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	6	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	6	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	7	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	7	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	7	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	7	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	7	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	7	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	7	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	7	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	7	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	7	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	7	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	7	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	9	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	9	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	9	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	9	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	9	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	9	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	9	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	9	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	9	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	9	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	9	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	9	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	10	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	10	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	10	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	10	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	10	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	10	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	10	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	10	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	10	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	10	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	10	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	10	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	13	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	13	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	13	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	13	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	13	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	13	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	13	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	13	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	13	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	13	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	13	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	14	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	14	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	14	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	14	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	14	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	14	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	14	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	14	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	14	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	14	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	14	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	14	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	16	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	16	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	16	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	16	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	16	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	16	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	16	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	16	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	16	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	16	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	16	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	16	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	18	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	18	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	18	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	18	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	18	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	18	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	18	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	18	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	18	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	18	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	18	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	18	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	20	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	20	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	20	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	20	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	20	0.57
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	20	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	20	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	20	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	20	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	20	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	20	0.57
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	20	0.57
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	11	0.57
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	11	0.57
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	11	0.57
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	11	0.57
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	11	0.57
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	11	0.57
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	11	0.57
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	11	0.57
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	11	0.57
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	11	0.57
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	11	0.57
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	11	0.57
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	19	0.57
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	19	0.57
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	19	0.57
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	19	0.57
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	19	0.57
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	19	0.57
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	19	0.57
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	19	0.57
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	19	0.57
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	19	0.57
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	19	0.57
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	19	0.57
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	1	0.57
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	1	0.57
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	2	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	2	0.57
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	3	0.57
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	3	0.57
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	5	0.57
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	5	0.57
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	6	0.57
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	6	0.57
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	7	0.57
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	7	0.57
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	9	0.57
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	9	0.57
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	10	0.57
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	10	0.57
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	11	0.57
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	11	0.57
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	12	0.57
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	12	0.57
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	13	0.57
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	13	0.57
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	15	0.57
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	15	0.57
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	16	0.57
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	16	0.57
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	17	0.57
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	17	0.57
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	19	0.57
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	19	0.57
(1,312)	1:7:A:PHE:HE1	1:9:A:ARG:HA	20	0.57
(1,312)	1:7:A:PHE:HE2	1:9:A:ARG:HA	20	0.57
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	15	0.57
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	4	0.56
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	8	0.56
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	4	0.56
(3,7)	1:9:A:ARG:O	1:13:A:LEU:H	8	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	1	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	1	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	2	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	2	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	3	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	3	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	5	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	5	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	6	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	6	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	7	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	7	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	10	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	10	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	12	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	12	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	13	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	13	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	14	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	14	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	16	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	16	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	17	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	17	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	19	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	19	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	20	0.56
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	20	0.56
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	11	0.56
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	11	0.56
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	11	0.56
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	19	0.56
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	19	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	1	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	1	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	1	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	1	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	1	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	1	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	2	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	2	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	2	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	2	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	2	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	2	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	3	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	3	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	3	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	3	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	3	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	3	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	6	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	6	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	6	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	6	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	6	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	6	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	7	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	7	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	7	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	7	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	7	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	7	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	9	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	9	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	9	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	9	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	9	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	9	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	10	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	10	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	10	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	10	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	10	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	10	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	11	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	11	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	11	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	11	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	11	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	11	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	13	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	13	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	13	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	13	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	13	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	13	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	17	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	17	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	17	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	17	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	17	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	17	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	18	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	18	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	18	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	18	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	18	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	18	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	19	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	19	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	19	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	19	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	19	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	19	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	20	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	20	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	20	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	20	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	20	0.56
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	20	0.56
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	11	0.56
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	15	0.56
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	15	0.56
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	15	0.56
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	15	0.56
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	15	0.56
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	15	0.56
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	15	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	2	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	2	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	2	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	2	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	2	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	2	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	2	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	2	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	2	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	2	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	2	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	2	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	5	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	5	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	5	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	5	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	5	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	5	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	5	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	5	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	5	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	5	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	5	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	5	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	11	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	11	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	11	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	11	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	11	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	11	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	11	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	11	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	11	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	11	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	11	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	11	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	12	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	12	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	12	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	12	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	12	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	12	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	12	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	12	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	12	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	12	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	12	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	12	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	15	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	15	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	15	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	15	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	15	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	15	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	15	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	15	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	15	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	15	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	15	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	17	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	17	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	17	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	17	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	17	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	17	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	17	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	17	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	17	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	17	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	17	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	17	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	19	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	19	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	19	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	19	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	19	0.56
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	19	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	19	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	19	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	19	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	19	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	19	0.56
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	19	0.56
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	15	0.56
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	15	0.56
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	15	0.56
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	15	0.56
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	15	0.56
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	15	0.56
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	15	0.56
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	15	0.56
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	15	0.56
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	15	0.56
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	15	0.56
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	15	0.56
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	4	0.56
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	8	0.56
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	4	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	4	0.56
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	8	0.56
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	8	0.56
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	3	0.56
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	3	0.56
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	3	0.56
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	3	0.56
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	3	0.56
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	3	0.56
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	15	0.56
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	15	0.56
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	15	0.56
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	15	0.56
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	15	0.56
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	15	0.56
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	16	0.56
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	16	0.56
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	16	0.56
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	16	0.56
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	16	0.56
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	16	0.56
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	18	0.56
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	18	0.56
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	18	0.56
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	18	0.56
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	18	0.56
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	18	0.56
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	20	0.56
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	20	0.56
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	20	0.56
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	20	0.56
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	20	0.56
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	20	0.56
(1,75)	1:3:A:ARG:HB2	1:3:A:ARG:HE	1	0.56
(1,75)	1:3:A:ARG:HB3	1:3:A:ARG:HE	1	0.56
(1,75)	1:3:A:ARG:HB2	1:3:A:ARG:HE	4	0.56
(1,75)	1:3:A:ARG:HB3	1:3:A:ARG:HE	4	0.56
(1,75)	1:3:A:ARG:HB2	1:3:A:ARG:HE	6	0.56
(1,75)	1:3:A:ARG:HB3	1:3:A:ARG:HE	6	0.56
(1,75)	1:3:A:ARG:HB2	1:3:A:ARG:HE	7	0.56
(1,75)	1:3:A:ARG:HB3	1:3:A:ARG:HE	7	0.56
(1,75)	1:3:A:ARG:HB2	1:3:A:ARG:HE	8	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:3:A:ARG:HB3	1:3:A:ARG:HE	8	0.56
(1,75)	1:3:A:ARG:HB2	1:3:A:ARG:HE	10	0.56
(1,75)	1:3:A:ARG:HB3	1:3:A:ARG:HE	10	0.56
(1,75)	1:3:A:ARG:HB2	1:3:A:ARG:HE	18	0.56
(1,75)	1:3:A:ARG:HB3	1:3:A:ARG:HE	18	0.56
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	5	0.56
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	5	0.56
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	1	0.56
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	15	0.55
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	15	0.55
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	15	0.55
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	15	0.55
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	12	0.55
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	12	0.55
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	4	0.55
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	4	0.55
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	8	0.55
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	8	0.55
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	9	0.55
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	9	0.55
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD2	18	0.55
(1,682)	1:15:A:ARG:HA	1:15:A:ARG:HD3	18	0.55
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	15	0.55
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	15	0.55
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	5	0.55
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	5	0.55
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	5	0.55
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	5	0.55
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	5	0.55
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	5	0.55
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	7	0.55
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	7	0.55
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	7	0.55
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	7	0.55
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	7	0.55
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	7	0.55
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	19	0.55
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	19	0.55
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	19	0.55
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	19	0.55
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	19	0.55
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	19	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	20	0.55
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	20	0.55
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	20	0.55
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	20	0.55
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	20	0.55
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	20	0.55
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	5	0.55
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	5	0.55
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	5	0.55
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	5	0.55
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	5	0.55
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	5	0.55
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	7	0.55
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	7	0.55
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	7	0.55
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	7	0.55
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	7	0.55
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	7	0.55
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	19	0.55
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	19	0.55
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	19	0.55
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	19	0.55
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	19	0.55
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	19	0.55
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	20	0.55
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	20	0.55
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	20	0.55
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	20	0.55
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	20	0.55
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	20	0.55
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	1	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	1	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	1	0.55
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	2	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	2	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	2	0.55
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	3	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	3	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	3	0.55
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	5	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	5	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	6	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	6	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	6	0.55
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	7	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	7	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	7	0.55
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	9	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	9	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	9	0.55
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	10	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	10	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	10	0.55
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	12	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	12	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	12	0.55
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	13	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	13	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	13	0.55
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	14	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	14	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	14	0.55
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	16	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	16	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	16	0.55
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	17	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	17	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	17	0.55
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	18	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	18	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	18	0.55
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	19	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	19	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	19	0.55
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	20	0.55
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	20	0.55
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	20	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	1	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	1	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	1	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	1	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	2	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	2	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	2	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	3	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	3	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	3	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	3	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	6	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	6	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	6	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	6	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	7	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	7	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	7	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	7	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	9	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	9	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	9	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	9	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	10	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	10	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	10	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	10	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	11	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	11	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	11	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	11	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	12	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	12	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	12	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	12	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	13	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	13	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	13	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	13	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	14	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	14	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	14	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	14	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	16	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	16	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	16	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	16	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	17	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	17	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	17	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	17	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	18	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	18	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	18	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	18	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	19	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	19	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	19	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	19	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	20	0.55
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	20	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	20	0.55
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	20	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	1	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	1	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	1	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	1	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	2	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	2	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	2	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	2	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	3	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	3	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	3	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	3	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	6	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	6	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	6	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	6	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	7	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	7	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	7	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	7	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	9	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	9	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	9	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	9	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	10	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	10	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	10	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	10	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	11	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	11	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	11	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	11	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	12	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	12	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	12	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	12	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	13	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	13	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	13	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	13	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	14	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	14	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	14	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	14	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	16	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	16	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	16	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	16	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	17	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	17	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	17	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	17	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	18	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	18	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	18	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	18	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	19	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	19	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	19	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	19	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	20	0.55
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	20	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	20	0.55
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	20	0.55
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD11	15	0.55
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD12	15	0.55
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD13	15	0.55
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD21	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD22	15	0.55
(1,547)	1:11:A:PHE:HA	1:13:A:LEU:HD23	15	0.55
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	4	0.55
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	8	0.55
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	1	0.55
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	3	0.55
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	5	0.55
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	6	0.55
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	7	0.55
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	9	0.55
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	12	0.55
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	14	0.55
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	16	0.55
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	17	0.55
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	19	0.55
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	20	0.55
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	4	0.55
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	8	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	1	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	1	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	1	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	1	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	2	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	2	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	2	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	2	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	3	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	3	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	3	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	3	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	4	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	4	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	4	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	4	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	5	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	5	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	5	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	5	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	6	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	6	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	6	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	6	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	7	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	7	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	7	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	7	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	8	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	8	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	8	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	8	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	9	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	9	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	9	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	9	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	10	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	10	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	10	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	10	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	11	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	11	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	11	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	11	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	12	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	12	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	12	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	12	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	13	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	13	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	13	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	13	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	14	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	14	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	14	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	14	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	15	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	15	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	15	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	15	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	16	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	16	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	16	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	16	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	17	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	17	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	17	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	18	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	18	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	18	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	18	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	19	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	19	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	19	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	19	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB2	20	0.55
(1,403)	1:8:A:PHE:HE1	1:11:A:PHE:HB3	20	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB2	20	0.55
(1,403)	1:8:A:PHE:HE2	1:11:A:PHE:HB3	20	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	1	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	1	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	1	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	1	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	1	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	1	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	2	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	2	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	2	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	2	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	2	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	2	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	3	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	3	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	3	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	3	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	3	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	3	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	5	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	5	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	5	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	5	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	5	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	5	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	6	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	6	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	6	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	6	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	6	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	6	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	7	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	7	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	7	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	7	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	7	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	7	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	9	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	9	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	9	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	9	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	9	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	9	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	10	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	10	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	10	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	10	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	10	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	10	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	11	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	11	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	11	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	11	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	11	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	11	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	12	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	12	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	12	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	12	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	12	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	12	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	13	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	13	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	13	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	13	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	13	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	13	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	14	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	14	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	14	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	14	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	14	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	16	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	16	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	16	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	16	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	16	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	16	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	17	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	17	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	17	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	17	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	17	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	17	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	18	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	18	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	18	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	18	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	18	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	18	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	19	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	19	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	19	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	19	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	19	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	19	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	20	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	20	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	20	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	20	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	20	0.55
(1,359)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	20	0.55
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	1	0.55
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	2	0.55
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	3	0.55
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	6	0.55
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	7	0.55
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	9	0.55
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	10	0.55
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	11	0.55
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	13	0.55
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	15	0.55
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	16	0.55
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	17	0.55
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	18	0.55
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	20	0.55
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	1	0.55
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	1	0.55
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	1	0.55
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	1	0.55
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	1	0.55
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	1	0.55
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	6	0.55
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	6	0.55
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	6	0.55
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	6	0.55
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	6	0.55
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	6	0.55
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	7	0.55
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	7	0.55
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	7	0.55
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	7	0.55
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	7	0.55
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	7	0.55
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	10	0.55
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	10	0.55
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	10	0.55
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	10	0.55
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	10	0.55
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	10	0.55
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	11	0.55
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	11	0.55
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	11	0.55
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	11	0.55
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	11	0.55
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	11	0.55
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	12	0.55
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	12	0.55
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	12	0.55
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	12	0.55
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	12	0.55
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	12	0.55
(1,75)	1:3:A:ARG:HB2	1:3:A:ARG:HE	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:3:A:ARG:HB3	1:3:A:ARG:HE	2	0.55
(1,75)	1:3:A:ARG:HB2	1:3:A:ARG:HE	12	0.55
(1,75)	1:3:A:ARG:HB3	1:3:A:ARG:HE	12	0.55
(1,75)	1:3:A:ARG:HB2	1:3:A:ARG:HE	13	0.55
(1,75)	1:3:A:ARG:HB3	1:3:A:ARG:HE	13	0.55
(1,75)	1:3:A:ARG:HB2	1:3:A:ARG:HE	16	0.55
(1,75)	1:3:A:ARG:HB3	1:3:A:ARG:HE	16	0.55
(1,75)	1:3:A:ARG:HB2	1:3:A:ARG:HE	17	0.55
(1,75)	1:3:A:ARG:HB3	1:3:A:ARG:HE	17	0.55
(1,75)	1:3:A:ARG:HB2	1:3:A:ARG:HE	19	0.55
(1,75)	1:3:A:ARG:HB3	1:3:A:ARG:HE	19	0.55
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	2	0.55
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	2	0.55
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	13	0.55
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	13	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	2	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	2	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	2	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	2	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	2	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	2	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	2	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	2	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	2	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	2	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	2	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	2	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	13	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	13	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	13	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	13	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	13	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	13	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	13	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	13	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	13	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	13	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	13	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	13	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	14	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	14	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	14	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	14	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	14	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	14	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	14	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	14	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	14	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	14	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	14	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	19	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	19	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	19	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	19	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	19	0.55
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	19	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	19	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	19	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	19	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	19	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	19	0.55
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	19	0.55
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	11	0.55
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	4	0.54
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	4	0.54
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	4	0.54
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	4	0.54
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	8	0.54
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	8	0.54
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	8	0.54
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	8	0.54
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	1	0.54
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	1	0.54
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	7	0.54
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	7	0.54
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	1	0.54
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	1	0.54
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	1	0.54
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	1	0.54
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	1	0.54
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	1	0.54
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	2	0.54
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	2	0.54
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	2	0.54
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	2	0.54
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	2	0.54
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	3	0.54
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	3	0.54
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	3	0.54
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	3	0.54
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	3	0.54
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	3	0.54
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	6	0.54
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	6	0.54
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	6	0.54
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	6	0.54
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	6	0.54
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	6	0.54
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	9	0.54
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	9	0.54
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	9	0.54
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	9	0.54
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	9	0.54
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	9	0.54
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	10	0.54
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	10	0.54
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	10	0.54
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	10	0.54
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	10	0.54
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	10	0.54
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	11	0.54
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	11	0.54
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	11	0.54
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	11	0.54
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	11	0.54
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	11	0.54
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	12	0.54
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	12	0.54
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	12	0.54
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	12	0.54
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	12	0.54
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	12	0.54
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	13	0.54
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	13	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	13	0.54
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	13	0.54
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	13	0.54
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	13	0.54
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	14	0.54
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	14	0.54
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	14	0.54
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	14	0.54
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	14	0.54
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	14	0.54
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	16	0.54
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	16	0.54
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	16	0.54
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	16	0.54
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	16	0.54
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	16	0.54
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	17	0.54
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	17	0.54
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	17	0.54
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	17	0.54
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	17	0.54
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	17	0.54
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	18	0.54
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	18	0.54
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	18	0.54
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	18	0.54
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	18	0.54
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	18	0.54
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	1	0.54
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	1	0.54
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	1	0.54
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	1	0.54
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	1	0.54
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	1	0.54
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	2	0.54
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	2	0.54
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	2	0.54
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	2	0.54
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	2	0.54
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	2	0.54
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	3	0.54
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	3	0.54
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	3	0.54
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	3	0.54
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	3	0.54
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	6	0.54
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	6	0.54
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	6	0.54
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	6	0.54
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	6	0.54
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	6	0.54
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	9	0.54
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	9	0.54
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	9	0.54
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	9	0.54
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	9	0.54
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	9	0.54
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	10	0.54
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	10	0.54
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	10	0.54
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	10	0.54
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	10	0.54
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	10	0.54
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	11	0.54
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	11	0.54
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	11	0.54
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	11	0.54
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	11	0.54
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	11	0.54
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	12	0.54
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	12	0.54
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	12	0.54
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	12	0.54
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	12	0.54
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	12	0.54
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	13	0.54
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	13	0.54
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	13	0.54
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	13	0.54
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	13	0.54
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	13	0.54
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	14	0.54
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	14	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	14	0.54
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	14	0.54
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	14	0.54
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	14	0.54
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	16	0.54
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	16	0.54
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	16	0.54
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	16	0.54
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	16	0.54
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	16	0.54
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	17	0.54
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	17	0.54
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	17	0.54
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	17	0.54
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	17	0.54
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	17	0.54
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	18	0.54
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	18	0.54
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	18	0.54
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	18	0.54
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	18	0.54
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	18	0.54
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	15	0.54
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	15	0.54
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	15	0.54
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	15	0.54
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	15	0.54
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	15	0.54
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	15	0.54
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	15	0.54
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	15	0.54
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	15	0.54
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	15	0.54
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	15	0.54
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	15	0.54
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	15	0.54
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	15	0.54
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	5	0.54
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	5	0.54
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	5	0.54
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	5	0.54
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	5	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	5	0.54
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	5	0.54
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	5	0.54
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	15	0.54
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	15	0.54
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	2	0.54
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	4	0.54
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	8	0.54
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	10	0.54
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	13	0.54
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	18	0.54
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	5	0.54
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	12	0.54
(1,335)	1:7:A:PHE:HZ	1:11:A:PHE:HA	19	0.54
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	5	0.54
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	5	0.54
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	5	0.54
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	5	0.54
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	5	0.54
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	5	0.54
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	17	0.54
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	17	0.54
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	17	0.54
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	17	0.54
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	17	0.54
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	17	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	1	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	1	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	2	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	2	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	5	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	5	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	6	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	6	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	13	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	13	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	14	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	14	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	15	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	15	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	17	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	17	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	18	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	18	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	19	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	19	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	20	0.54
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	20	0.54
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	9	0.54
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	9	0.54
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	9	0.54
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	9	0.54
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	9	0.54
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	9	0.54
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	19	0.54
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	17	0.54
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	5	0.54
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	5	0.54
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	5	0.54
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	5	0.54
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	5	0.54
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	5	0.54
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	5	0.54
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	5	0.54
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	5	0.54
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	5	0.54
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	5	0.54
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	5	0.54
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	9	0.54
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	9	0.54
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	12	0.54
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	5	0.53
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	5	0.53
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	4	0.53
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	4	0.53
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	8	0.53
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	8	0.53
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	4	0.53
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	4	0.53
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	4	0.53
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	4	0.53
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	4	0.53
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	4	0.53
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	4	0.53
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	4	0.53
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	4	0.53
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	4	0.53
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	4	0.53
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	8	0.53
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	8	0.53
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	8	0.53
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	8	0.53
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	8	0.53
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	8	0.53
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	8	0.53
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	8	0.53
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	8	0.53
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	8	0.53
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	8	0.53
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	8	0.53
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	4	0.53
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	4	0.53
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	4	0.53
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	4	0.53
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	4	0.53
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	4	0.53
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	4	0.53
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	4	0.53
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	4	0.53
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	4	0.53
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	4	0.53
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	4	0.53
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	8	0.53
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	8	0.53
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	8	0.53
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	8	0.53
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	8	0.53
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	8	0.53
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	8	0.53
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	8	0.53
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	8	0.53
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	8	0.53
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	8	0.53
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	8	0.53
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	4	0.53
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	4	0.53
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	4	0.53
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	8	0.53
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	8	0.53
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	8	0.53
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	8	0.53
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	15	0.53
(1,562)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	15	0.53
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	15	0.53
(1,562)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	15	0.53
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	4	0.53
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	4	0.53
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	4	0.53
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	4	0.53
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	8	0.53
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	8	0.53
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	8	0.53
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	8	0.53
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG2	15	0.53
(1,561)	1:11:A:PHE:HB2	1:15:A:ARG:HG3	15	0.53
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG2	15	0.53
(1,561)	1:11:A:PHE:HB3	1:15:A:ARG:HG3	15	0.53
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	4	0.53
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	4	0.53
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	8	0.53
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	8	0.53
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	11	0.53
(1,504)	1:10:A:ASP:HA	1:13:A:LEU:HB2	4	0.53
(1,504)	1:10:A:ASP:HA	1:13:A:LEU:HB3	4	0.53
(1,504)	1:10:A:ASP:HA	1:13:A:LEU:HB2	8	0.53
(1,504)	1:10:A:ASP:HA	1:13:A:LEU:HB3	8	0.53
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	1	0.53
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	1	0.53
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	6	0.53
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	6	0.53
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	9	0.53
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	9	0.53
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	13	0.53
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	13	0.53
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	20	0.53
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	20	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	2	0.53
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	2	0.53
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	2	0.53
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	2	0.53
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	2	0.53
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	2	0.53
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	9	0.53
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	9	0.53
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	9	0.53
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	9	0.53
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	9	0.53
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	9	0.53
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	13	0.53
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	13	0.53
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	13	0.53
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	13	0.53
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	13	0.53
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	13	0.53
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	14	0.53
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	14	0.53
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	14	0.53
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	14	0.53
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	14	0.53
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	14	0.53
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	19	0.53
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	19	0.53
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	19	0.53
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	19	0.53
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	19	0.53
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	19	0.53
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	3	0.53
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	3	0.53
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	7	0.53
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	7	0.53
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	9	0.53
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	9	0.53
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	10	0.53
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	10	0.53
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	11	0.53
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	11	0.53
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	12	0.53
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	12	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	16	0.53
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	16	0.53
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	1	0.53
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	1	0.53
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	14	0.53
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	14	0.53
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	19	0.53
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	19	0.53
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	17	0.53
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	17	0.53
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	17	0.53
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	17	0.53
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	17	0.53
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	17	0.53
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	17	0.53
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	17	0.53
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	17	0.53
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	17	0.53
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	17	0.53
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	17	0.53
(2,31)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	1	0.52
(2,31)	1:12:A:ILE:HG23	1:13:A:LEU:HB2	11	0.52
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	19	0.52
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	19	0.52
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	4	0.52
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	8	0.52
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	15	0.52
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	12	0.52
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	12	0.52
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	17	0.52
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	17	0.52
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	11	0.52
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	11	0.52
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	15	0.52
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	15	0.52
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	15	0.52
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	15	0.52
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	15	0.52
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	15	0.52
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	15	0.52
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	15	0.52
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	15	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	15	0.52
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	15	0.52
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	15	0.52
(1,579)	1:12:A:ILE:HG23	1:12:A:ILE:H	4	0.52
(1,579)	1:12:A:ILE:HG21	1:12:A:ILE:H	8	0.52
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	18	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	1	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	1	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	2	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	2	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	3	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	3	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	5	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	5	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	6	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	6	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	7	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	7	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	9	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	9	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	10	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	10	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	11	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	11	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	12	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	12	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	13	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	13	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	14	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	14	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	15	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	15	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	16	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	16	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	17	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	17	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	18	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	18	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	19	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	19	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	20	0.52
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,456)	1:9:A:ARG:HA	1:13:A:LEU:HA	15	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	1	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	1	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	2	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	2	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	3	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	3	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	5	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	5	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	6	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	6	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	7	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	7	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	9	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	9	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	10	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	10	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	11	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	11	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	12	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	12	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	13	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	13	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	14	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	14	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	15	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	15	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	16	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	16	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	17	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	17	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	18	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	18	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	19	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	19	0.52
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	20	0.52
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	20	0.52
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	6	0.52
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	13	0.52
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	14	0.52
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	18	0.52
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	1	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	1	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	2	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	2	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	3	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	3	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	4	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	4	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	5	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	5	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	6	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	6	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	7	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	7	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	8	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	8	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	9	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	9	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	10	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	10	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	11	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	11	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	12	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	12	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	13	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	13	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	14	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	14	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	15	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	15	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	16	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	16	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	17	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	17	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	18	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	18	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	19	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	19	0.52
(1,329)	1:7:A:PHE:HE1	1:11:A:PHE:HA	20	0.52
(1,329)	1:7:A:PHE:HE2	1:11:A:PHE:HA	20	0.52
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	2	0.52
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	3	0.52
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	3	0.52
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	5	0.52
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	5	0.52
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	7	0.52
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	7	0.52
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	10	0.52
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	10	0.52
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	11	0.52
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	11	0.52
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	12	0.52
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	12	0.52
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	14	0.52
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	14	0.52
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	15	0.52
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	15	0.52
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	16	0.52
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	16	0.52
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	17	0.52
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	17	0.52
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	18	0.52
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	18	0.52
(1,319)	1:7:A:PHE:HB2	1:10:A:ASP:H	19	0.52
(1,319)	1:7:A:PHE:HB3	1:10:A:ASP:H	19	0.52
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	4	0.52
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	8	0.52
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	11	0.52
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	11	0.52
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	3	0.52
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	3	0.52
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	4	0.52
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	4	0.52
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	5	0.52
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	5	0.52
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	6	0.52
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	6	0.52
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	7	0.52
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	7	0.52
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	8	0.52
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	8	0.52
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	10	0.52
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	10	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	11	0.52
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	11	0.52
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	12	0.52
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	12	0.52
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	13	0.52
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	13	0.52
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	14	0.52
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	14	0.52
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	15	0.52
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	15	0.52
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	16	0.52
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	16	0.52
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	18	0.52
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	18	0.52
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	20	0.52
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	20	0.52
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	12	0.52
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	9	0.52
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	9	0.52
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	14	0.52
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	14	0.52
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	1	0.52
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	1	0.52
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	2	0.52
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	5	0.52
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	13	0.52
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	19	0.52
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	9	0.52
(2,31)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	2	0.51
(2,31)	1:12:A:ILE:HG23	1:13:A:LEU:HB2	3	0.51
(2,31)	1:12:A:ILE:HG21	1:13:A:LEU:HB2	5	0.51
(2,31)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	6	0.51
(2,31)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	7	0.51
(2,31)	1:12:A:ILE:HG21	1:13:A:LEU:HB2	9	0.51
(2,31)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	10	0.51
(2,31)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	12	0.51
(2,31)	1:12:A:ILE:HG23	1:13:A:LEU:HB2	13	0.51
(2,31)	1:12:A:ILE:HG23	1:13:A:LEU:HB2	14	0.51
(2,31)	1:12:A:ILE:HG21	1:13:A:LEU:HB2	16	0.51
(2,31)	1:12:A:ILE:HG21	1:13:A:LEU:HB2	17	0.51
(2,31)	1:12:A:ILE:HG23	1:13:A:LEU:HB2	18	0.51
(2,31)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	20	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	3	0.51
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	3	0.51
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	3	0.51
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	3	0.51
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	9	0.51
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	9	0.51
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	9	0.51
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	9	0.51
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	13	0.51
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	13	0.51
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	13	0.51
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	13	0.51
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	17	0.51
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	17	0.51
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	17	0.51
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	17	0.51
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	18	0.51
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	18	0.51
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	18	0.51
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	18	0.51
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	15	0.51
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	15	0.51
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	1	0.51
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	12	0.51
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	19	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	1	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	1	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	2	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	2	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	3	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	3	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	5	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	5	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	6	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	6	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	7	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	7	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	9	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	9	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	10	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	10	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	11	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	13	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	13	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	14	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	14	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	15	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	15	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	16	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	16	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	18	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	18	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	19	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	19	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	20	0.51
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	20	0.51
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	1	0.51
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	2	0.51
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	3	0.51
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	5	0.51
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	6	0.51
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	7	0.51
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	9	0.51
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	10	0.51
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	12	0.51
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	13	0.51
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	14	0.51
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	16	0.51
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	17	0.51
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	19	0.51
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	20	0.51
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	1	0.51
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	2	0.51
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	3	0.51
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	5	0.51
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	6	0.51
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	7	0.51
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	9	0.51
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	10	0.51
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	11	0.51
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	12	0.51
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	13	0.51
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	14	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	16	0.51
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	17	0.51
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	18	0.51
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	19	0.51
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	20	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	1	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	2	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	3	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	5	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	6	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	7	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	9	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	10	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	11	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	12	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	13	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	14	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	16	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	17	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	18	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	19	0.51
(1,413)	1:8:A:PHE:HZ	1:12:A:ILE:H	20	0.51
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	15	0.51
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	4	0.51
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	4	0.51
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	8	0.51
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	8	0.51
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	1	0.51
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	2	0.51
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	3	0.51
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	5	0.51
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	7	0.51
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	9	0.51
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	10	0.51
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	11	0.51
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	12	0.51
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	15	0.51
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	16	0.51
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	17	0.51
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	19	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	1	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	2	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	2	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	3	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	3	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	5	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	5	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	6	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	6	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	7	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	7	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	9	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	9	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	10	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	10	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	11	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	11	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	12	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	12	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	13	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	13	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	14	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	14	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	15	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	15	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	16	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	16	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	17	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	17	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	18	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	18	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	19	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	19	0.51
(1,311)	1:7:A:PHE:HB2	1:9:A:ARG:HA	20	0.51
(1,311)	1:7:A:PHE:HB3	1:9:A:ARG:HA	20	0.51
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	4	0.51
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	4	0.51
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	4	0.51
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	4	0.51
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	4	0.51
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	4	0.51
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB2	8	0.51
(1,268)	1:6:A:ALA:HB1	1:10:A:ASP:HB3	8	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB2	8	0.51
(1,268)	1:6:A:ALA:HB2	1:10:A:ASP:HB3	8	0.51
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB2	8	0.51
(1,268)	1:6:A:ALA:HB3	1:10:A:ASP:HB3	8	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	1	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	1	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	2	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	2	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	3	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	3	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	5	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	5	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	6	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	6	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	7	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	7	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	9	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	9	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	10	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	10	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	12	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	12	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	14	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	14	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	15	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	15	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	16	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	16	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	18	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	18	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	19	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	19	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	20	0.51
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	20	0.51
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	2	0.51
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	2	0.51
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	17	0.51
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	17	0.51
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	19	0.51
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	19	0.51
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	3	0.51
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	18	0.51
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	9	0.51
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	9	0.51
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	5	0.51
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	5	0.51
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	6	0.51
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	6	0.51
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	7	0.51
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	7	0.51
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	18	0.51
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	18	0.51
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	14	0.51
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	17	0.51
(2,31)	1:12:A:ILE:HG21	1:13:A:LEU:HB2	19	0.5
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	1	0.5
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	12	0.5
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	2	0.5
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	2	0.5
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	2	0.5
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	2	0.5
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	10	0.5
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	10	0.5
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	10	0.5
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	10	0.5
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	14	0.5
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	14	0.5
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	14	0.5
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	14	0.5
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	16	0.5
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	16	0.5
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	16	0.5
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	16	0.5
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	6	0.5
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	6	0.5
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	5	0.5
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	7	0.5
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	4	0.5
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	8	0.5
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	12	0.5
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	19	0.5
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	4	0.5
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	4	0.5
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	4	0.5
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	4	0.5
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	4	0.5
(1,651)	1:13:A:LEU:HD11	1:16:A:LYS:H	8	0.5
(1,651)	1:13:A:LEU:HD12	1:16:A:LYS:H	8	0.5
(1,651)	1:13:A:LEU:HD13	1:16:A:LYS:H	8	0.5
(1,651)	1:13:A:LEU:HD21	1:16:A:LYS:H	8	0.5
(1,651)	1:13:A:LEU:HD22	1:16:A:LYS:H	8	0.5
(1,651)	1:13:A:LEU:HD23	1:16:A:LYS:H	8	0.5
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	4	0.5
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	4	0.5
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	4	0.5
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	4	0.5
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	4	0.5
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	4	0.5
(1,649)	1:13:A:LEU:HD11	1:16:A:LYS:H	8	0.5
(1,649)	1:13:A:LEU:HD12	1:16:A:LYS:H	8	0.5
(1,649)	1:13:A:LEU:HD13	1:16:A:LYS:H	8	0.5
(1,649)	1:13:A:LEU:HD21	1:16:A:LYS:H	8	0.5
(1,649)	1:13:A:LEU:HD22	1:16:A:LYS:H	8	0.5
(1,649)	1:13:A:LEU:HD23	1:16:A:LYS:H	8	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	1	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	1	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	1	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	1	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	1	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	1	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	1	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	1	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	1	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	1	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	1	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	1	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	2	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	2	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	2	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	2	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	2	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	2	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	2	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	2	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	2	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	2	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	2	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	3	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	3	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	3	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	3	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	3	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	3	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	3	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	3	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	3	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	3	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	3	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	3	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	5	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	5	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	5	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	5	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	5	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	5	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	5	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	5	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	5	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	5	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	5	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	5	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	6	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	6	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	6	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	6	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	6	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	6	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	6	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	6	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	6	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	6	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	6	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	6	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	7	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	7	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	7	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	7	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	7	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	7	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	7	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	7	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	7	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	7	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	7	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	9	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	9	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	9	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	9	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	9	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	9	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	9	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	9	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	9	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	9	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	9	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	9	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	10	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	10	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	10	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	10	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	10	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	10	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	10	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	10	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	10	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	10	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	10	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	10	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	11	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	11	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	11	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	11	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	11	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	11	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	11	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	11	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	11	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	11	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	11	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	11	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	12	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	12	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	12	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	12	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	12	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	12	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	12	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	12	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	12	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	12	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	12	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	12	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	13	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	13	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	13	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	13	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	13	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	13	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	13	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	13	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	13	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	13	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	13	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	13	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	14	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	14	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	14	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	14	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	14	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	14	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	14	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	14	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	14	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	14	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	14	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	14	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	16	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	16	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	16	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	16	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	16	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	16	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	16	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	16	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	16	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	16	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	16	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	16	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	17	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	17	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	17	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	17	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	17	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	17	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	17	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	17	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	17	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	17	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	17	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	17	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	18	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	18	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	18	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	18	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	18	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	18	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	18	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	18	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	18	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	18	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	18	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	18	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	19	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	19	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	19	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	19	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	19	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	19	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	19	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	19	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	19	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	19	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	19	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	19	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	20	0.5
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	20	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	20	0.5
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	20	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	20	0.5
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	20	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	20	0.5
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	20	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	20	0.5
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	20	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	20	0.5
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	20	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	1	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	1	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	3	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	3	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	5	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	5	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	7	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	7	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	10	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	10	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	12	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	12	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	14	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	14	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	16	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	16	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	19	0.5
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	19	0.5
(1,579)	1:12:A:ILE:HG22	1:12:A:ILE:H	12	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	2	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	2	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	3	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	3	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	6	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	6	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	7	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	9	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	9	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	10	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	10	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	11	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	11	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	13	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	13	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	16	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	16	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	17	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	17	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	18	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	18	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	19	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	19	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	20	0.5
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	20	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	1	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	1	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	2	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	2	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	3	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	3	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	6	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	6	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	7	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	7	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	9	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	9	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	10	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	10	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	11	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	11	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	12	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	12	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	13	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	13	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	14	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	14	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	16	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	16	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	17	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	17	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	18	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	18	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	19	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	19	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	20	0.5
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	20	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	1	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	1	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	2	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	2	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	3	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	3	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	6	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	6	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	7	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	7	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	9	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	9	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	10	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	10	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	11	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	11	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	12	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	12	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	13	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	13	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	14	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	14	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	16	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	16	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	17	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	17	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	18	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	18	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	19	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	19	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	20	0.5
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	20	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	1	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	2	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	2	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	3	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	3	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	4	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	4	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	5	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	5	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	6	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	6	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	7	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	7	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	9	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	9	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	10	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	10	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	11	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	11	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	13	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	13	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	14	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	14	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	16	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	16	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	17	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	17	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	18	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	18	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	19	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	19	0.5
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	20	0.5
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	20	0.5
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	4	0.5
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	4	0.5
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE1	8	0.5
(1,492)	1:10:A:ASP:H	1:11:A:PHE:HE2	8	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	1	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	1	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	2	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	2	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	3	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	5	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	5	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	6	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	6	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	7	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	7	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	9	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	9	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	10	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	10	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	11	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	11	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	12	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	12	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	13	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	13	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	14	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	14	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	15	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	15	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	16	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	16	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	17	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	17	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	18	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	18	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	19	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	19	0.5
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	20	0.5
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	20	0.5
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	1	0.5
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	1	0.5
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	1	0.5
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	1	0.5
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	12	0.5
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	12	0.5
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	12	0.5
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	12	0.5
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	4	0.5
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	4	0.5
(1,391)	1:8:A:PHE:HD1	1:10:A:ASP:H	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,391)	1:8:A:PHE:HD2	1:10:A:ASP:H	8	0.5
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	4	0.5
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	4	0.5
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	8	0.5
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	8	0.5
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	4	0.5
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	4	0.5
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	8	0.5
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	8	0.5
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	15	0.5
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	15	0.5
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	15	0.5
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	15	0.5
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	15	0.5
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	15	0.5
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	15	0.5
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	15	0.5
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	15	0.5
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	15	0.5
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	15	0.5
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	15	0.5
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	15	0.5
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	15	0.5
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	15	0.5
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	15	0.5
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	15	0.5
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	15	0.5
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	15	0.5
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	15	0.5
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	15	0.5
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	15	0.5
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	15	0.5
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	15	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	1	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	2	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	3	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	5	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	6	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	7	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	9	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	10	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	11	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	12	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	13	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	14	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	15	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	16	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	17	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	18	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	19	0.5
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	20	0.5
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	4	0.5
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	4	0.5
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	8	0.5
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	8	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	1	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	1	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	2	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	2	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	3	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	3	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	5	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	5	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	6	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	6	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	7	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	7	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	9	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	9	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	10	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	10	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	11	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	11	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	12	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	12	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	13	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	13	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	14	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	14	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	15	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	15	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	16	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	16	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	17	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	18	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	18	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	19	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	19	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	20	0.5
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	20	0.5
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	4	0.5
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	4	0.5
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	8	0.5
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	8	0.5
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	13	0.5
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	13	0.5
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD1	17	0.5
(1,221)	1:5:A:SER:HA	1:7:A:PHE:HD2	17	0.5
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	1	0.5
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	1	0.5
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	1	0.5
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	1	0.5
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	1	0.5
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	1	0.5
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	1	0.5
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	1	0.5
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	1	0.5
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	1	0.5
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	1	0.5
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	1	0.5
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	2	0.5
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	2	0.5
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	2	0.5
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	2	0.5
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	2	0.5
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	2	0.5
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	2	0.5
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	2	0.5
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	2	0.5
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	2	0.5
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	2	0.5
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	2	0.5
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	5	0.5
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	5	0.5
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	5	0.5
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	5	0.5
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	5	0.5
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	5	0.5
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	5	0.5
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	5	0.5
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	5	0.5
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	5	0.5
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	5	0.5
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	12	0.5
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	12	0.5
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	12	0.5
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	12	0.5
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	12	0.5
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	12	0.5
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	12	0.5
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	12	0.5
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	12	0.5
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	12	0.5
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	12	0.5
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	12	0.5
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	13	0.5
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	13	0.5
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	13	0.5
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	13	0.5
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	13	0.5
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	13	0.5
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	13	0.5
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	13	0.5
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	13	0.5
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	13	0.5
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	13	0.5
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	13	0.5
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	14	0.5
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	14	0.5
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	14	0.5
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	14	0.5
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	14	0.5
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	14	0.5
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	14	0.5
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	14	0.5
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	14	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	14	0.5
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	14	0.5
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	14	0.5
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	19	0.5
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	19	0.5
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	19	0.5
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	19	0.5
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	19	0.5
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	19	0.5
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	19	0.5
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	19	0.5
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	19	0.5
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	19	0.5
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	19	0.5
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	19	0.5
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	1	0.5
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	4	0.5
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	6	0.5
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	7	0.5
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	8	0.5
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	9	0.5
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	11	0.5
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	15	0.5
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	16	0.5
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	17	0.5
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	20	0.5
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	9	0.5
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	9	0.5
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	14	0.5
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	14	0.5
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	14	0.5
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	14	0.5
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	14	0.5
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	14	0.5
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	1	0.5
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	3	0.5
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	3	0.5
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	4	0.5
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	4	0.5
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	8	0.5
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	8	0.5
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	10	0.5
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	11	0.5
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	11	0.5
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	15	0.5
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	15	0.5
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	16	0.5
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	16	0.5
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	20	0.5
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	20	0.5
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	4	0.5
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	6	0.5
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	7	0.5
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	8	0.5
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	10	0.5
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	18	0.5
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	9	0.49
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	20	0.49
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	5	0.49
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	6	0.49
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	7	0.49
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	19	0.49
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	11	0.49
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	11	0.49
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	6	0.49
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	6	0.49
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	6	0.49
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	6	0.49
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	20	0.49
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	20	0.49
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	20	0.49
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	20	0.49
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	20	0.49
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	20	0.49
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	6	0.49
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	20	0.49
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	4	0.49
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	4	0.49
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG2	8	0.49
(1,706)	1:15:A:ARG:HA	1:16:A:LYS:HG3	8	0.49
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	1	0.49
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	5	0.49
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	2	0.49
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	2	0.49
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	5	0.49
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	5	0.49
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	1	0.49
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	1	0.49
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	5	0.49
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	5	0.49
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	7	0.49
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	7	0.49
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	19	0.49
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	19	0.49
(1,654)	1:14:A:GLN:HA	1:14:A:GLN:HE21	15	0.49
(1,654)	1:14:A:GLN:HA	1:14:A:GLN:HE22	15	0.49
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	2	0.49
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	2	0.49
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	6	0.49
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	6	0.49
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	9	0.49
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	9	0.49
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	13	0.49
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	13	0.49
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	17	0.49
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	17	0.49
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	18	0.49
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	18	0.49
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	20	0.49
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	20	0.49
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	4	0.49
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	4	0.49
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	4	0.49
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	8	0.49
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	8	0.49
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	8	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	1	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	1	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	1	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	1	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	1	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	1	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	2	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	2	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	2	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	2	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	2	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	3	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	3	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	3	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	3	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	3	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	3	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	5	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	5	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	5	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	5	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	5	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	5	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	6	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	6	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	6	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	6	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	6	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	6	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	7	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	7	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	7	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	7	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	7	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	7	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	9	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	9	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	9	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	9	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	9	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	9	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	10	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	10	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	10	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	10	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	10	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	10	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	11	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	11	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	11	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	11	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	11	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	12	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	12	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	12	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	12	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	12	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	12	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	13	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	13	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	13	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	13	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	13	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	13	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	14	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	14	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	14	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	14	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	14	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	14	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	16	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	16	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	16	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	16	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	16	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	16	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	17	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	17	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	17	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	17	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	17	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	17	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	18	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	18	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	18	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	18	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	18	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	18	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	19	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	19	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	19	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	19	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	19	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	20	0.49
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	20	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	20	0.49
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	20	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	20	0.49
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	20	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	1	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	1	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	1	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	1	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	1	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	1	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	2	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	2	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	2	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	2	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	2	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	2	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	3	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	3	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	3	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	3	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	3	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	3	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	6	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	6	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	6	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	6	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	6	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	6	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	7	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	7	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	7	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	7	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	7	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	7	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	9	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	9	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	9	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	9	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	9	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	10	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	10	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	10	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	10	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	10	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	10	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	12	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	12	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	12	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	12	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	12	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	12	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	13	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	13	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	13	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	13	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	13	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	13	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	14	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	14	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	14	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	14	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	14	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	14	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	16	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	16	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	16	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	16	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	16	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	16	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	17	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	17	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	17	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	17	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	17	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	17	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	18	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	18	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	18	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	18	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	18	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	18	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	19	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	19	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	19	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	19	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	19	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	19	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	20	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	20	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	20	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	20	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	20	0.49
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	20	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	1	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	1	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	1	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	1	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	1	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	1	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	2	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	2	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	2	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	2	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	2	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	2	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	3	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	3	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	3	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	3	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	3	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	3	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	6	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	6	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	6	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	6	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	6	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	6	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	7	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	7	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	7	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	7	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	7	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	9	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	9	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	9	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	9	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	9	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	9	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	10	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	10	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	10	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	10	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	10	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	10	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	12	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	12	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	12	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	12	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	12	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	12	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	13	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	13	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	13	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	13	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	13	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	13	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	14	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	14	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	14	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	14	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	14	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	14	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	16	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	16	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	16	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	16	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	16	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	16	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	17	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	17	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	17	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	17	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	17	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	17	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	18	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	18	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	18	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	18	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	18	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	18	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	19	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	19	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	19	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	19	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	19	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	19	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	20	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	20	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	20	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	20	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	20	0.49
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	20	0.49
(1,579)	1:12:A:ILE:HG22	1:12:A:ILE:H	1	0.49
(1,579)	1:12:A:ILE:HG22	1:12:A:ILE:H	2	0.49
(1,579)	1:12:A:ILE:HG23	1:12:A:ILE:H	3	0.49
(1,579)	1:12:A:ILE:HG21	1:12:A:ILE:H	5	0.49
(1,579)	1:12:A:ILE:HG22	1:12:A:ILE:H	6	0.49
(1,579)	1:12:A:ILE:HG22	1:12:A:ILE:H	7	0.49
(1,579)	1:12:A:ILE:HG21	1:12:A:ILE:H	9	0.49
(1,579)	1:12:A:ILE:HG22	1:12:A:ILE:H	10	0.49
(1,579)	1:12:A:ILE:HG23	1:12:A:ILE:H	11	0.49
(1,579)	1:12:A:ILE:HG23	1:12:A:ILE:H	13	0.49
(1,579)	1:12:A:ILE:HG23	1:12:A:ILE:H	14	0.49
(1,579)	1:12:A:ILE:HG21	1:12:A:ILE:H	16	0.49
(1,579)	1:12:A:ILE:HG21	1:12:A:ILE:H	17	0.49
(1,579)	1:12:A:ILE:HG23	1:12:A:ILE:H	18	0.49
(1,579)	1:12:A:ILE:HG22	1:12:A:ILE:H	20	0.49
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	1	0.49
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	1	0.49
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	5	0.49
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	5	0.49
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	12	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	12	0.49
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	14	0.49
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	14	0.49
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	5	0.49
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	5	0.49
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	15	0.49
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	15	0.49
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	5	0.49
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	5	0.49
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	15	0.49
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	15	0.49
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	4	0.49
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	4	0.49
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	8	0.49
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	8	0.49
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	8	0.49
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	8	0.49
(1,546)	1:11:A:PHE:HE1	1:12:A:ILE:H	12	0.49
(1,546)	1:11:A:PHE:HE2	1:12:A:ILE:H	12	0.49
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	11	0.49
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	15	0.49
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	11	0.49
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	11	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	2	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	2	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	2	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	2	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	3	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	3	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	3	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	3	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	4	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	4	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	4	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	4	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	5	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	5	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	5	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	5	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	6	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	6	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	6	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	7	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	7	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	7	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	7	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	8	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	8	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	8	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	8	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	9	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	9	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	9	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	9	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	10	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	10	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	10	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	10	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	11	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	11	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	11	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	11	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	13	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	13	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	13	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	13	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	14	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	14	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	14	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	14	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	16	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	16	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	16	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	16	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	17	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	17	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	17	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	17	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	18	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	18	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	18	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	18	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	19	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	19	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	19	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	20	0.49
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	20	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	20	0.49
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	20	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	1	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	1	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	2	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	2	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	3	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	3	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	5	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	5	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	6	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	6	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	7	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	7	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	9	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	9	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	10	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	10	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	11	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	11	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	12	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	12	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	13	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	13	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	14	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	14	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	15	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	15	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	16	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	16	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	17	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	17	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	18	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	18	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	19	0.49
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	19	0.49
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	20	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	1	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	1	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	2	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	2	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	3	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	3	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	5	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	5	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	6	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	6	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	7	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	7	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	9	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	9	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	10	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	10	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	11	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	11	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	12	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	12	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	13	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	13	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	14	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	14	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	15	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	15	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	16	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	16	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	17	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	17	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	18	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	18	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	19	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	19	0.49
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	20	0.49
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	20	0.49
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	4	0.49
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	4	0.49
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	4	0.49
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	4	0.49
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	8	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	8	0.49
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	8	0.49
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	8	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	1	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	1	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	1	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	1	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	1	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	1	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	1	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	1	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	1	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	1	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	1	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	1	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	2	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	2	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	2	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	2	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	2	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	2	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	2	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	2	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	2	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	2	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	2	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	2	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	3	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	3	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	3	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	3	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	3	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	3	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	3	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	3	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	3	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	3	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	3	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	3	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	5	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	5	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	5	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	5	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	5	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	5	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	5	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	5	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	5	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	5	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	5	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	6	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	6	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	6	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	6	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	6	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	6	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	6	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	6	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	6	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	6	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	6	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	6	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	7	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	7	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	7	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	7	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	7	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	7	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	7	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	7	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	7	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	7	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	7	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	7	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	9	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	9	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	9	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	9	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	9	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	9	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	9	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	9	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	9	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	9	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	9	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	10	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	10	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	10	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	10	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	10	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	10	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	10	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	10	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	10	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	10	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	10	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	10	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	11	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	11	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	11	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	11	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	11	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	11	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	11	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	11	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	11	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	11	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	11	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	11	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	12	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	12	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	12	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	12	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	12	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	12	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	12	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	12	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	12	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	12	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	12	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	12	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	13	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	13	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	13	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	13	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	13	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	13	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	13	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	13	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	13	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	13	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	13	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	13	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	14	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	14	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	14	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	14	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	14	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	14	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	14	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	14	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	14	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	14	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	14	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	14	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	16	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	16	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	16	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	16	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	16	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	16	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	16	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	16	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	16	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	16	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	16	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	16	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	17	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	17	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	17	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	17	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	17	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	17	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	17	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	17	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	17	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	17	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	17	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	17	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	18	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	18	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	18	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	18	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	18	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	18	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	18	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	18	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	18	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	18	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	18	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	18	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	19	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	19	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	19	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	19	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	19	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	19	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	19	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	19	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	19	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	19	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	19	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	19	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	20	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	20	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	20	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	20	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	20	0.49
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	20	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	20	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	20	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	20	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	20	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	20	0.49
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	20	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	1	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	1	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	1	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	1	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	1	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	1	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	1	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	1	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	1	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	1	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	1	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	2	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	2	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	2	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	2	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	2	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	2	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	2	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	2	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	2	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	2	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	2	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	2	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	3	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	3	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	3	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	3	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	3	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	3	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	3	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	3	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	3	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	3	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	3	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	3	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	5	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	5	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	5	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	5	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	5	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	5	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	5	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	5	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	5	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	5	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	5	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	6	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	6	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	6	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	6	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	6	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	6	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	6	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	6	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	6	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	6	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	6	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	6	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	7	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	7	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	7	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	7	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	7	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	7	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	7	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	7	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	7	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	7	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	7	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	7	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	9	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	9	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	9	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	9	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	9	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	9	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	9	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	9	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	9	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	9	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	9	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	9	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	10	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	10	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	10	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	10	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	10	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	10	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	10	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	10	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	10	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	10	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	10	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	11	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	11	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	11	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	11	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	11	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	11	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	11	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	11	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	11	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	11	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	11	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	11	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	12	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	12	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	12	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	12	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	12	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	12	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	12	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	12	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	12	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	12	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	12	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	12	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	13	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	13	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	13	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	13	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	13	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	13	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	13	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	13	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	13	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	13	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	13	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	13	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	14	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	14	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	14	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	14	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	14	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	14	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	14	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	14	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	14	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	14	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	14	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	14	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	16	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	16	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	16	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	16	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	16	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	16	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	16	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	16	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	16	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	16	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	16	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	16	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	17	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	17	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	17	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	17	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	17	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	17	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	17	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	17	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	17	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	17	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	17	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	17	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	18	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	18	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	18	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	18	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	18	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	18	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	18	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	18	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	18	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	18	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	18	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	18	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	19	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	19	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	19	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	19	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	19	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	19	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	19	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	19	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	19	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	19	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	19	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	19	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	20	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	20	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	20	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	20	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	20	0.49
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	20	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	20	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	20	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	20	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	20	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	20	0.49
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	20	0.49
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	15	0.49
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	15	0.49
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	15	0.49
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	15	0.49
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	15	0.49
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	15	0.49
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	4	0.49
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	4	0.49
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	4	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	1	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	2	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	3	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	5	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	6	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	7	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	9	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	10	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	11	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	12	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	13	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	14	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	16	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	17	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	18	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	19	0.49
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	20	0.49
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	1	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	1	0.49
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	2	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	2	0.49
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	3	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	3	0.49
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	5	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	5	0.49
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	6	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	6	0.49
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	7	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	7	0.49
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	10	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	10	0.49
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	11	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	11	0.49
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	12	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	12	0.49
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	13	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	13	0.49
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	14	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	14	0.49
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	15	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	16	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	16	0.49
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	17	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	17	0.49
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	18	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	18	0.49
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	20	0.49
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	20	0.49
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	4	0.49
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	4	0.49
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD1	8	0.49
(1,285)	1:7:A:PHE:HA	1:8:A:PHE:HD2	8	0.49
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	4	0.49
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	8	0.49
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	9	0.49
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	4	0.49
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	8	0.49
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	9	0.49
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	9	0.49
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	9	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	3	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	3	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	3	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	3	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	3	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	3	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	3	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	3	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	3	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	3	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	3	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	3	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	4	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	4	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	4	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	4	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	4	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	4	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	4	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	4	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	4	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	4	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	4	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	6	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	6	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	6	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	6	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	6	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	6	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	6	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	6	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	6	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	6	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	6	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	6	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	7	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	7	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	7	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	7	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	7	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	7	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	7	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	7	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	7	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	7	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	7	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	7	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	8	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	8	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	8	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	8	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	8	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	8	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	8	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	8	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	8	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	8	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	8	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	8	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	10	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	10	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	10	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	10	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	10	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	10	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	10	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	10	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	10	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	10	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	10	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	11	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	11	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	11	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	11	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	11	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	11	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	11	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	11	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	11	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	11	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	11	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	11	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	15	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	15	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	15	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	15	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	15	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	15	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	15	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	15	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	15	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	15	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	15	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	15	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	16	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	16	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	16	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	16	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	16	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	16	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	16	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	16	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	16	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	16	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	16	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	16	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	17	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	17	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	17	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	17	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	17	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	17	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	17	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	17	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	17	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	17	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	17	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	17	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	18	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	18	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	18	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	18	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	18	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	18	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	18	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	18	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	18	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	18	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	18	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	18	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	20	0.49
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	20	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	20	0.49
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	20	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	20	0.49
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	20	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	20	0.49
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	20	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	20	0.49
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	20	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	20	0.49
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	20	0.49
(1,170)	1:4:A:LEU:HB2	1:7:A:PHE:HA	9	0.49
(1,170)	1:4:A:LEU:HB3	1:7:A:PHE:HA	9	0.49
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	2	0.49
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	12	0.49
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	13	0.49
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	19	0.49
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	7	0.49
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	7	0.49
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	5	0.49
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	5	0.49
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	5	0.49
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	5	0.49
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	5	0.49
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	5	0.49
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	5	0.49
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	5	0.49
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	17	0.49
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	11	0.49
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	11	0.49
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	15	0.49
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	15	0.49
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	20	0.49
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	20	0.49
(1,55)	1:2:A:MET:HB2	1:6:A:ALA:HA	12	0.49
(1,55)	1:2:A:MET:HB3	1:6:A:ALA:HA	12	0.49
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	1	0.49
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	3	0.49
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	11	0.49
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	12	0.49
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	15	0.49
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	16	0.49
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	20	0.49
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	9	0.49
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	9	0.49
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	9	0.49
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	9	0.49
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	2	0.49
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	2	0.49
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	5	0.49
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	5	0.49
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	13	0.49
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	13	0.49
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	14	0.49
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	14	0.49
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	2	0.48
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	3	0.48
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	5	0.48
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	6	0.48
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	7	0.48
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	10	0.48
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	11	0.48
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	13	0.48
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	14	0.48
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	16	0.48
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	17	0.48
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	18	0.48
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	19	0.48
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	2	0.48
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	3	0.48
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	10	0.48
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	13	0.48
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	14	0.48
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	16	0.48
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	17	0.48
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	18	0.48
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	20	0.48
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	1	0.48
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	1	0.48
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	5	0.48
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	5	0.48
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	12	0.48
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	12	0.48
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	15	0.48
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	15	0.48
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	19	0.48
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	19	0.48
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	2	0.48
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	2	0.48
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	3	0.48
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	3	0.48
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	4	0.48
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	4	0.48
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	8	0.48
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	8	0.48
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	9	0.48
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	9	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	10	0.48
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	10	0.48
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	13	0.48
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	13	0.48
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	16	0.48
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	16	0.48
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	18	0.48
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	18	0.48
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	2	0.48
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	3	0.48
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	10	0.48
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	14	0.48
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	16	0.48
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	17	0.48
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	18	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	1	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	1	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	3	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	3	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	6	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	6	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	7	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	7	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	9	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	9	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	10	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	10	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	13	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	13	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	14	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	14	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	16	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	16	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	17	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	17	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	18	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	18	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	19	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	19	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	20	0.48
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	20	0.48
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	2	0.48
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	3	0.48
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	3	0.48
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	6	0.48
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	6	0.48
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	9	0.48
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	9	0.48
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	10	0.48
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	10	0.48
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	12	0.48
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	12	0.48
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	13	0.48
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	13	0.48
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	14	0.48
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	14	0.48
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	16	0.48
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	16	0.48
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	17	0.48
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	17	0.48
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	18	0.48
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	18	0.48
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	20	0.48
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	20	0.48
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	4	0.48
(1,586)	1:12:A:ILE:HB	1:13:A:LEU:HA	8	0.48
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	5	0.48
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	5	0.48
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	5	0.48
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	5	0.48
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	5	0.48
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	5	0.48
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD11	11	0.48
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD12	11	0.48
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD13	11	0.48
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD21	11	0.48
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD22	11	0.48
(1,584)	1:12:A:ILE:HA	1:13:A:LEU:HD23	11	0.48
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	5	0.48
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	5	0.48
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	5	0.48
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	5	0.48
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	5	0.48
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD11	11	0.48
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD12	11	0.48
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD13	11	0.48
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD21	11	0.48
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD22	11	0.48
(1,583)	1:12:A:ILE:HA	1:13:A:LEU:HD23	11	0.48
(1,579)	1:12:A:ILE:HG21	1:12:A:ILE:H	19	0.48
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	4	0.48
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	4	0.48
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	8	0.48
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	8	0.48
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG2	15	0.48
(1,560)	1:11:A:PHE:HA	1:15:A:ARG:HG3	15	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	1	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	2	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	3	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	5	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	6	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	7	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	9	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	10	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	12	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	13	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	14	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	16	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	17	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	18	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	19	0.48
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	20	0.48
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	15	0.48
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	1	0.48
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	1	0.48
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	2	0.48
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	2	0.48
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	3	0.48
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	3	0.48
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	5	0.48
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	5	0.48
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	6	0.48
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	6	0.48
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	7	0.48
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	9	0.48
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	9	0.48
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	10	0.48
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	10	0.48
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	12	0.48
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	12	0.48
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	13	0.48
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	13	0.48
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	14	0.48
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	14	0.48
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	16	0.48
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	16	0.48
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	17	0.48
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	17	0.48
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	18	0.48
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	18	0.48
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	19	0.48
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	19	0.48
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	20	0.48
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	20	0.48
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	4	0.48
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	8	0.48
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	15	0.48
(1,398)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	15	0.48
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	15	0.48
(1,398)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	15	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	1	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	1	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	1	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	1	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	1	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	1	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	2	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	2	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	2	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	2	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	2	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	2	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	3	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	3	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	3	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	3	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	3	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	3	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	5	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	5	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	5	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	5	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	5	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	5	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	6	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	6	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	6	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	6	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	6	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	6	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	7	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	7	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	7	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	7	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	7	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	7	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	9	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	9	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	9	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	9	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	9	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	9	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	10	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	10	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	10	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	10	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	10	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	10	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	11	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	11	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	11	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	11	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	11	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	11	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	12	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	12	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	12	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	12	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	12	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	13	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	13	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	13	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	13	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	13	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	13	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	14	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	14	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	14	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	14	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	14	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	14	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	16	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	16	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	16	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	16	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	16	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	16	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	17	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	17	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	17	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	17	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	17	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	17	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	18	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	18	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	18	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	18	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	18	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	18	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	19	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	19	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	19	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	19	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	19	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	19	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	20	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	20	0.48
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	20	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	20	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	20	0.48
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	20	0.48
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	15	0.48
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	15	0.48
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	15	0.48
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	19	0.48
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	19	0.48
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	19	0.48
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	4	0.48
(1,340)	1:7:A:PHE:HA	1:12:A:ILE:HA	8	0.48
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	8	0.48
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	8	0.48
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	8	0.48
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	8	0.48
(1,314)	1:7:A:PHE:HZ	1:9:A:ARG:HA	15	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	1	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	1	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	2	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	2	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	3	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	3	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	4	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	4	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	5	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	5	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	6	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	6	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	7	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	7	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	8	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	8	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	9	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	9	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	10	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	10	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	11	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	11	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	12	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	12	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	13	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	13	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	14	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	14	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	15	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	15	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	16	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	16	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	17	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	17	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	18	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	18	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	19	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	19	0.48
(1,290)	1:7:A:PHE:HB2	1:8:A:PHE:HZ	20	0.48
(1,290)	1:7:A:PHE:HB3	1:8:A:PHE:HZ	20	0.48
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	9	0.48
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	9	0.48
(1,287)	1:7:A:PHE:HB2	1:8:A:PHE:HA	19	0.48
(1,287)	1:7:A:PHE:HB3	1:8:A:PHE:HA	19	0.48
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	2	0.48
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	2	0.48
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	4	0.48
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	4	0.48
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	5	0.48
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	5	0.48
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	8	0.48
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	8	0.48
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	13	0.48
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	13	0.48
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	14	0.48
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	14	0.48
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	19	0.48
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	19	0.48
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	1	0.48
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	2	0.48
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	3	0.48
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	5	0.48
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	6	0.48
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	7	0.48
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	10	0.48
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	11	0.48
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	12	0.48
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	13	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	14	0.48
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	15	0.48
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	16	0.48
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	17	0.48
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	18	0.48
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	19	0.48
(1,239)	1:5:A:SER:H	1:8:A:PHE:HA	20	0.48
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	1	0.48
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	2	0.48
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	5	0.48
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	6	0.48
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	10	0.48
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	12	0.48
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	13	0.48
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	14	0.48
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	16	0.48
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	17	0.48
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	18	0.48
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	19	0.48
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	20	0.48
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	9	0.48
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	9	0.48
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	4	0.48
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	4	0.48
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	8	0.48
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	8	0.48
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	9	0.48
(1,173)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	9	0.48
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	9	0.48
(1,173)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	9	0.48
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	9	0.48
(1,173)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	9	0.48
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	9	0.48
(1,173)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	9	0.48
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	9	0.48
(1,173)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	9	0.48
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	9	0.48
(1,173)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	9	0.48
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	4	0.48
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	4	0.48
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	8	0.48
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	14	0.48
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	14	0.48
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	4	0.48
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	4	0.48
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	8	0.48
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	8	0.48
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	14	0.48
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	14	0.48
(1,122)	1:3:A:ARG:H	1:8:A:PHE:H	14	0.48
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	5	0.48
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	5	0.48
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	5	0.48
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	5	0.48
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	5	0.48
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	5	0.48
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	1	0.48
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	1	0.48
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	2	0.48
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	2	0.48
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	4	0.48
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	4	0.48
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	6	0.48
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	6	0.48
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	8	0.48
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	8	0.48
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	10	0.48
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	10	0.48
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	12	0.48
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	12	0.48
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	13	0.48
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	13	0.48
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	16	0.48
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	16	0.48
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	18	0.48
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	18	0.48
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	19	0.48
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	19	0.48
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	11	0.48
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	11	0.48
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	11	0.48
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	11	0.48
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	14	0.48
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	14	0.48
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	14	0.48
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	15	0.48
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	15	0.48
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	15	0.48
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	15	0.48
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	11	0.48
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	11	0.48
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	11	0.48
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	11	0.48
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	14	0.48
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	14	0.48
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	14	0.48
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	14	0.48
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	15	0.48
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	15	0.48
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	15	0.48
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	15	0.48
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	3	0.48
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	3	0.48
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	2	0.48
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	2	0.48
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	2	0.48
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	2	0.48
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	5	0.48
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	5	0.48
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	5	0.48
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	5	0.48
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	13	0.48
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	13	0.48
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	13	0.48
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	13	0.48
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	14	0.48
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	14	0.48
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	14	0.48
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	14	0.48
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	13	0.48
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	17	0.48
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	17	0.48
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	19	0.48
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	19	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	4	0.47
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	8	0.47
(2,31)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	15	0.47
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	12	0.47
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	15	0.47
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	9	0.47
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	2	0.47
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	2	0.47
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	3	0.47
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	3	0.47
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	4	0.47
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	4	0.47
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	6	0.47
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	6	0.47
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	7	0.47
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	7	0.47
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	8	0.47
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	8	0.47
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	9	0.47
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	9	0.47
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	10	0.47
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	10	0.47
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	13	0.47
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	13	0.47
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	14	0.47
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	14	0.47
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	16	0.47
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	16	0.47
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	17	0.47
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	17	0.47
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	18	0.47
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	18	0.47
(1,741)	1:16:A:LYS:HG2	1:17:A:LYS:H	20	0.47
(1,741)	1:16:A:LYS:HG3	1:17:A:LYS:H	20	0.47
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	14	0.47
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	14	0.47
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	17	0.47
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	17	0.47
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	9	0.47
(1,719)	1:15:A:ARG:HA	1:17:A:LYS:H	13	0.47
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	15	0.47
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	11	0.47
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	15	0.47
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	15	0.47
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	6	0.47
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	12	0.47
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	12	0.47
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE2	15	0.47
(1,675)	1:14:A:GLN:H	1:16:A:LYS:HE3	15	0.47
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	12	0.47
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	4	0.47
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	4	0.47
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	4	0.47
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	4	0.47
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	4	0.47
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	4	0.47
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	8	0.47
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	8	0.47
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	8	0.47
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	8	0.47
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	8	0.47
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	8	0.47
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	15	0.47
(1,591)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	15	0.47
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	15	0.47
(1,591)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	15	0.47
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	15	0.47
(1,591)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	15	0.47
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	12	0.47
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	12	0.47
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	12	0.47
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	12	0.47
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	8	0.47
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	8	0.47
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	8	0.47
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	8	0.47
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	15	0.47
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	4	0.47
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	4	0.47
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	8	0.47
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	8	0.47
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	4	0.47
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	8	0.47
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	8	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	1	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	2	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	3	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	5	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	6	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	7	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	9	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	10	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	11	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	12	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	13	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	14	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	16	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	17	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	18	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	19	0.47
(1,411)	1:8:A:PHE:H	1:12:A:ILE:H	20	0.47
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	4	0.47
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	8	0.47
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	15	0.47
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	4	0.47
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	4	0.47
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	4	0.47
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	4	0.47
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	4	0.47
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	4	0.47
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	8	0.47
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	8	0.47
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	8	0.47
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	8	0.47
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	8	0.47
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	8	0.47
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	4	0.47
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	4	0.47
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	4	0.47
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	4	0.47
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	4	0.47
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	4	0.47
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	8	0.47
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	8	0.47
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	8	0.47
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	8	0.47
(1,343)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	8	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	1	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	1	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	1	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	2	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	2	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	2	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	3	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	3	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	3	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	5	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	5	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	5	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	6	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	6	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	6	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	7	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	7	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	7	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	9	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	9	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	9	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	10	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	10	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	10	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	11	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	11	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	11	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	12	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	12	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	12	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	13	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	13	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	13	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	14	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	14	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	14	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	16	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	16	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	16	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	17	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	17	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	17	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	18	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	18	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	18	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	20	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	20	0.47
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	20	0.47
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	4	0.47
(1,339)	1:7:A:PHE:HZ	1:11:A:PHE:H	8	0.47
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	1	0.47
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	1	0.47
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	2	0.47
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	2	0.47
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	3	0.47
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	3	0.47
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	5	0.47
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	5	0.47
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	6	0.47
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	6	0.47
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	7	0.47
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	7	0.47
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	9	0.47
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	9	0.47
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	11	0.47
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	11	0.47
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	12	0.47
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	12	0.47
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	13	0.47
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	13	0.47
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	14	0.47
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	14	0.47
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	16	0.47
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	16	0.47
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	17	0.47
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	17	0.47
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	19	0.47
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	19	0.47
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	20	0.47
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	8	0.47
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	8	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	1	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	1	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	3	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	3	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	6	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	6	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	7	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	7	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	9	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	9	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	10	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	10	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	11	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	11	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	12	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	12	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	15	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	15	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	16	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	16	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	17	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	17	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	18	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	18	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD1	20	0.47
(1,259)	1:6:A:ALA:H	1:8:A:PHE:HD2	20	0.47
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	2	0.47
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	2	0.47
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	9	0.47
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	9	0.47
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	13	0.47
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	13	0.47
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	14	0.47
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	14	0.47
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	19	0.47
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	19	0.47
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	2	0.47
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	2	0.47
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	9	0.47
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	13	0.47
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	13	0.47
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	14	0.47
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	14	0.47
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	19	0.47
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	19	0.47
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	2	0.47
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	13	0.47
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	14	0.47
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	19	0.47
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	3	0.47
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	7	0.47
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	11	0.47
(1,233)	1:5:A:SER:H	1:7:A:PHE:HZ	15	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	1	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	1	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	2	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	2	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	5	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	5	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	6	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	6	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	9	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	9	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	10	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	10	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	13	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	13	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	14	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	14	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	16	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	16	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	17	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	17	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	19	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	19	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	20	0.47
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	20	0.47
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	2	0.47
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	2	0.47
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	13	0.47
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	14	0.47
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	14	0.47
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	17	0.47
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	17	0.47
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	19	0.47
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	19	0.47
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	1	0.47
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	1	0.47
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	3	0.47
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	3	0.47
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	6	0.47
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	6	0.47
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	7	0.47
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	7	0.47
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	10	0.47
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	10	0.47
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	16	0.47
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	16	0.47
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	18	0.47
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	18	0.47
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	20	0.47
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	20	0.47
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	2	0.47
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	2	0.47
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	3	0.47
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	3	0.47
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	5	0.47
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	5	0.47
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	10	0.47
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	10	0.47
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	11	0.47
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	11	0.47
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	13	0.47
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	13	0.47
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	15	0.47
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	15	0.47
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	17	0.47
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	17	0.47
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	19	0.47
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	19	0.47
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	20	0.47
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	2	0.47
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	2	0.47
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	3	0.47
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	3	0.47
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	5	0.47
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	5	0.47
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	10	0.47
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	10	0.47
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	11	0.47
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	11	0.47
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	13	0.47
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	13	0.47
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	15	0.47
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	15	0.47
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	17	0.47
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	17	0.47
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	19	0.47
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	19	0.47
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	20	0.47
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	20	0.47
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	3	0.47
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	3	0.47
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	11	0.47
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	11	0.47
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	14	0.47
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	14	0.47
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	15	0.47
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	15	0.47
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	17	0.47
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	17	0.47
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	20	0.47
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	20	0.47
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	3	0.47
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	3	0.47
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	3	0.47
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	3	0.47
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	9	0.47
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	9	0.47
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	9	0.47
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	9	0.47
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	20	0.47
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	20	0.47
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	20	0.47
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	3	0.47
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	3	0.47
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	3	0.47
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	3	0.47
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	9	0.47
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	9	0.47
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	9	0.47
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	9	0.47
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	20	0.47
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	20	0.47
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	20	0.47
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	20	0.47
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	17	0.47
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	17	0.47
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	17	0.47
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	17	0.47
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	19	0.47
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	19	0.47
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	19	0.47
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	19	0.47
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	4	0.47
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	4	0.47
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	8	0.47
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	8	0.47
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	10	0.47
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	10	0.47
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	12	0.47
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	12	0.47
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	20	0.47
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	20	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	3	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	3	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	3	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	3	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	3	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	3	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	3	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	3	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	3	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	3	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	3	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	4	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	4	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	4	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	4	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	4	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	4	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	4	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	4	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	4	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	4	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	4	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	4	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	6	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	6	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	6	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	6	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	6	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	6	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	6	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	6	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	6	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	6	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	6	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	6	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	7	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	7	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	7	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	7	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	7	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	7	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	7	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	7	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	7	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	7	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	7	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	7	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	8	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	8	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	8	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	8	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	8	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	8	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	8	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	8	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	8	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	8	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	8	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	10	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	10	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	10	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	10	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	10	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	10	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	10	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	10	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	10	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	10	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	10	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	10	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	11	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	11	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	11	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	11	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	11	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	11	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	11	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	11	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	11	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	11	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	11	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	11	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	12	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	12	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	12	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	12	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	12	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	12	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	12	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	12	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	12	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	12	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	12	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	15	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	15	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	15	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	15	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	15	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	15	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	15	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	15	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	15	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	15	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	15	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	15	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	16	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	16	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	16	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	16	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	16	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	16	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	16	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	16	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	16	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	16	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	16	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	16	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	20	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	20	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	20	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	20	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	20	0.47
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	20	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	20	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	20	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	20	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	20	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	20	0.47
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	20	0.47
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	4	0.47
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	4	0.47
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	8	0.47
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	10	0.47
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	10	0.47
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	12	0.47
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	12	0.47
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	20	0.47
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	20	0.47
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	9	0.47
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	9	0.47
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	9	0.47
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	9	0.47
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	9	0.47
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	9	0.47
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	9	0.47
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	9	0.47
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	9	0.47
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	9	0.47
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	9	0.47
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	9	0.47
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	9	0.47
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	9	0.47
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	9	0.47
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	9	0.47
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	9	0.47
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	9	0.47
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	9	0.47
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	9	0.47
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	9	0.47
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	9	0.47
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	9	0.47
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	9	0.47
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	9	0.47
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	9	0.47
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	9	0.47
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	9	0.47
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	9	0.47
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	9	0.47
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	9	0.47
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	9	0.47
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	9	0.47
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	9	0.47
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	9	0.47
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	2	0.47
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	15	0.46
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	15	0.46
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	4	0.46
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	4	0.46
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	8	0.46
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	8	0.46
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	11	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	1	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	1	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	2	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	2	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	3	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	3	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	5	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	5	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	6	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	6	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	7	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	7	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	10	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	10	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	12	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	12	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	13	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	13	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	14	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	14	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	16	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	16	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	17	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	17	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	19	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	19	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	20	0.46
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	20	0.46
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	2	0.46
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	10	0.46
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	20	0.46
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	4	0.46
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	4	0.46
(1,674)	1:14:A:GLN:HB2	1:16:A:LYS:H	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,674)	1:14:A:GLN:HB3	1:16:A:LYS:H	8	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	1	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	2	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	3	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	5	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	6	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	7	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	9	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	10	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	11	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	13	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	14	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	15	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	16	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	17	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	18	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	19	0.46
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	20	0.46
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	1	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	1	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	1	0.46
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	2	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	2	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	2	0.46
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	3	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	3	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	3	0.46
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	5	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	5	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	5	0.46
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	6	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	6	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	6	0.46
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	7	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	7	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	7	0.46
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	9	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	9	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	9	0.46
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	10	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	10	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	12	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	12	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	12	0.46
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	13	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	13	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	13	0.46
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	14	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	14	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	14	0.46
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	16	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	16	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	16	0.46
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	17	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	17	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	17	0.46
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	18	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	18	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	18	0.46
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	19	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	19	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	19	0.46
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	20	0.46
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	20	0.46
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	20	0.46
(1,579)	1:12:A:ILE:HG22	1:12:A:ILE:H	15	0.46
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	3	0.46
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	3	0.46
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	3	0.46
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	3	0.46
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	5	0.46
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	5	0.46
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	5	0.46
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	5	0.46
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	9	0.46
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	9	0.46
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	9	0.46
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	9	0.46
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	14	0.46
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	14	0.46
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	14	0.46
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	14	0.46
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	16	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	16	0.46
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	16	0.46
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	16	0.46
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	17	0.46
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	17	0.46
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	17	0.46
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	17	0.46
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	18	0.46
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	18	0.46
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	18	0.46
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	18	0.46
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD2	4	0.46
(1,559)	1:11:A:PHE:HA	1:15:A:ARG:HD3	4	0.46
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD2	4	0.46
(1,558)	1:11:A:PHE:HA	1:15:A:ARG:HD3	4	0.46
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	15	0.46
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	15	0.46
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	4	0.46
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	4	0.46
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	4	0.46
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	4	0.46
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	4	0.46
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	4	0.46
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	4	0.46
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	8	0.46
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	8	0.46
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	8	0.46
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	8	0.46
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	12	0.46
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	12	0.46
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	12	0.46
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	12	0.46
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	1	0.46
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	1	0.46
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	12	0.46
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	12	0.46
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	19	0.46
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	19	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	1	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	2	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	3	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	6	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	7	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	9	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	10	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	11	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	12	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	13	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	14	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	16	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	17	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	18	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	19	0.46
(1,393)	1:8:A:PHE:HA	1:11:A:PHE:HA	20	0.46
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	4	0.46
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	4	0.46
(1,390)	1:8:A:PHE:HB2	1:10:A:ASP:H	8	0.46
(1,390)	1:8:A:PHE:HB3	1:10:A:ASP:H	8	0.46
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	4	0.46
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	4	0.46
(1,389)	1:8:A:PHE:HB2	1:10:A:ASP:H	8	0.46
(1,389)	1:8:A:PHE:HB3	1:10:A:ASP:H	8	0.46
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	2	0.46
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	2	0.46
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	9	0.46
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	9	0.46
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	14	0.46
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	14	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	2	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	2	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	2	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	2	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	3	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	3	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	3	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	3	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	6	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	6	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	6	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	6	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	7	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	7	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	7	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	7	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	9	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	9	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	9	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	9	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	10	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	10	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	10	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	10	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	11	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	11	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	11	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	11	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	12	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	12	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	12	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	12	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	13	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	13	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	13	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	13	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	14	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	14	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	14	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	14	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	17	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	17	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	17	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	17	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	18	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	18	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	18	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	18	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	19	0.46
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	19	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	19	0.46
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	19	0.46
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	4	0.46
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	4	0.46
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	4	0.46
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	4	0.46
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	8	0.46
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	8	0.46
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	8	0.46
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	15	0.46
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	15	0.46
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	15	0.46
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	15	0.46
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	15	0.46
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	15	0.46
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	4	0.46
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	4	0.46
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	8	0.46
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	8	0.46
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	10	0.46
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	10	0.46
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	15	0.46
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	15	0.46
(1,297)	1:7:A:PHE:HE1	1:8:A:PHE:HZ	18	0.46
(1,297)	1:7:A:PHE:HE2	1:8:A:PHE:HZ	18	0.46
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	4	0.46
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	4	0.46
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	5	0.46
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	5	0.46
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	8	0.46
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	8	0.46
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	9	0.46
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	9	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	1	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	1	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	1	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	1	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	2	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	2	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	2	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	2	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	5	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	5	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	5	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	5	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	6	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	6	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	6	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	6	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	7	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	7	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	7	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	7	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	10	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	10	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	10	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	10	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	11	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	11	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	11	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	11	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	12	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	12	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	12	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	12	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	15	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	15	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	15	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	15	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	16	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	16	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	16	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	16	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	17	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	17	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	17	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	17	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	18	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	18	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	18	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	18	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	19	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	19	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	19	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	19	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	20	0.46
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	20	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	20	0.46
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	20	0.46
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB2	4	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:6:A:ALA:HA	1:10:A:ASP:HB3	4	0.46
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	1	0.46
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	1	0.46
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	5	0.46
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	5	0.46
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	12	0.46
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	12	0.46
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	17	0.46
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	17	0.46
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	1	0.46
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	1	0.46
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	5	0.46
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	5	0.46
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	12	0.46
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	12	0.46
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	17	0.46
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	17	0.46
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	1	0.46
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	4	0.46
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	5	0.46
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	6	0.46
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	8	0.46
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	9	0.46
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	11	0.46
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	12	0.46
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	15	0.46
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	17	0.46
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	3	0.46
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	3	0.46
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	4	0.46
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	4	0.46
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	7	0.46
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	7	0.46
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	8	0.46
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	8	0.46
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	11	0.46
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	11	0.46
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	12	0.46
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	12	0.46
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	15	0.46
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	15	0.46
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE1	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,231)	1:5:A:SER:H	1:7:A:PHE:HE2	18	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	1	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	1	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	3	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	3	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	5	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	5	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	6	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	6	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	7	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	7	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	10	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	10	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	11	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	11	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	12	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	12	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	15	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	15	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	16	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	16	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	18	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	18	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	20	0.46
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	20	0.46
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	1	0.46
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	1	0.46
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	3	0.46
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	3	0.46
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	6	0.46
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	6	0.46
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	7	0.46
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	7	0.46
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	10	0.46
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	10	0.46
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	11	0.46
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	11	0.46
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	12	0.46
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	12	0.46
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	15	0.46
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	15	0.46
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	16	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	16	0.46
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	18	0.46
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	18	0.46
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	20	0.46
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	20	0.46
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	9	0.46
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	9	0.46
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	1	0.46
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	1	0.46
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	1	0.46
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	1	0.46
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	2	0.46
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	2	0.46
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	2	0.46
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	2	0.46
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	9	0.46
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	9	0.46
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	9	0.46
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	9	0.46
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	13	0.46
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	13	0.46
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	13	0.46
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	13	0.46
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	16	0.46
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	16	0.46
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	16	0.46
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	16	0.46
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	17	0.46
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	17	0.46
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	17	0.46
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	17	0.46
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	18	0.46
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	18	0.46
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	18	0.46
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	18	0.46
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	19	0.46
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	19	0.46
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	19	0.46
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	19	0.46
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	9	0.46
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	9	0.46
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	1	0.46
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	1	0.46
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	1	0.46
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	2	0.46
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	2	0.46
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	2	0.46
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	2	0.46
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	9	0.46
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	9	0.46
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	9	0.46
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	9	0.46
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	13	0.46
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	13	0.46
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	13	0.46
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	13	0.46
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	16	0.46
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	16	0.46
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	16	0.46
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	16	0.46
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	17	0.46
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	17	0.46
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	17	0.46
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	17	0.46
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	18	0.46
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	18	0.46
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	18	0.46
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	18	0.46
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	19	0.46
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	19	0.46
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	19	0.46
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	19	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	1	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	1	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	2	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	2	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	5	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	5	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	7	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	7	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	9	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	9	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	11	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	12	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	12	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	13	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	13	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	14	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	14	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	15	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	15	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	19	0.46
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	19	0.46
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	14	0.46
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	14	0.46
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	14	0.46
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	14	0.46
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	14	0.46
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	14	0.46
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	14	0.46
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	14	0.46
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	14	0.46
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	14	0.46
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	14	0.46
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	14	0.46
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	11	0.46
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	11	0.46
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	12	0.46
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	12	0.46
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	15	0.46
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	15	0.46
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	1	0.46
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	1	0.46
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	6	0.46
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	6	0.46
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	7	0.46
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	7	0.46
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	9	0.46
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	9	0.46
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	12	0.46
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	12	0.46
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	16	0.46
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	16	0.46
(1,172)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,172)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	18	0.46
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	1	0.46
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	1	0.46
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	6	0.46
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	6	0.46
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	7	0.46
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	7	0.46
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	9	0.46
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	9	0.46
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	12	0.46
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	12	0.46
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	16	0.46
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	16	0.46
(1,169)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	18	0.46
(1,169)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	18	0.46
(1,115)	1:3:A:ARG:HB2	1:6:A:ALA:H	5	0.46
(1,115)	1:3:A:ARG:HB3	1:6:A:ALA:H	5	0.46
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	17	0.46
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	17	0.46
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	17	0.46
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	17	0.46
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	19	0.46
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	19	0.46
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	19	0.46
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	19	0.46
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	17	0.46
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	17	0.46
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	17	0.46
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	17	0.46
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	19	0.46
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	19	0.46
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	19	0.46
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	19	0.46
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	1	0.46
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	12	0.46
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	16	0.46
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	16	0.46
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	18	0.46
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	2	0.46
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	2	0.46
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	3	0.46
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	6	0.46
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	6	0.46
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	7	0.46
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	7	0.46
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	11	0.46
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	11	0.46
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	14	0.46
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	14	0.46
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	15	0.46
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	15	0.46
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	16	0.46
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	16	0.46
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	18	0.46
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	18	0.46
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	19	0.46
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	19	0.46
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	1	0.46
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	1	0.46
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	1	0.46
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	1	0.46
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	1	0.46
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	1	0.46
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	1	0.46
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	1	0.46
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	1	0.46
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	1	0.46
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	1	0.46
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	1	0.46
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD11	18	0.46
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD12	18	0.46
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD13	18	0.46
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD21	18	0.46
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD22	18	0.46
(1,35)	1:2:A:MET:HG2	1:4:A:LEU:HD23	18	0.46
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD11	18	0.46
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD12	18	0.46
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD13	18	0.46
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD21	18	0.46
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD22	18	0.46
(1,35)	1:2:A:MET:HG3	1:4:A:LEU:HD23	18	0.46
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	2	0.46
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	2	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	3	0.46
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	3	0.46
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	6	0.46
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	6	0.46
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	7	0.46
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	7	0.46
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	11	0.46
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	11	0.46
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	14	0.46
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	14	0.46
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	15	0.46
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	15	0.46
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	16	0.46
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	16	0.46
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	18	0.46
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	18	0.46
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	19	0.46
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	19	0.46
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	14	0.46
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	14	0.46
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	14	0.46
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	14	0.46
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	1	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	2	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	3	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	5	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	6	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	7	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	9	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	10	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	11	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	12	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	13	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	14	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	16	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	17	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	18	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	19	0.45
(3,6)	1:8:A:PHE:O	1:12:A:ILE:N	20	0.45
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	4	0.45
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	8	0.45
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	15	0.45
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	5	0.45
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	4	0.45
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	4	0.45
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	8	0.45
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	8	0.45
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	9	0.45
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	9	0.45
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD2	18	0.45
(1,681)	1:15:A:ARG:HA	1:15:A:ARG:HD3	18	0.45
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	10	0.45
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	10	0.45
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	14	0.45
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	14	0.45
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	17	0.45
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	17	0.45
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	3	0.45
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	13	0.45
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	14	0.45
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	16	0.45
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	17	0.45
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	18	0.45
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	11	0.45
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	11	0.45
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	11	0.45
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	11	0.45
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	11	0.45
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	15	0.45
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	15	0.45
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	15	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	1	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	1	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	1	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	1	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	2	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	2	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	2	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	2	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	4	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	4	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	4	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	6	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	6	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	6	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	6	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	7	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	7	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	7	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	7	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	8	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	8	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	8	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	8	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	10	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	10	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	10	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	10	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	13	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	13	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	13	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	13	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	19	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	19	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	19	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	19	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	20	0.45
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	20	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	20	0.45
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	20	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	1	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	1	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	2	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	2	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	3	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	3	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	5	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	5	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	6	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	6	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	7	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	7	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	9	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	10	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	10	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	11	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	11	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	12	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	12	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	13	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	13	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	14	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	14	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	15	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	15	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	16	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	16	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	17	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	17	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	18	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	18	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	19	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	19	0.45
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	20	0.45
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	20	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	1	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	1	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	2	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	2	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	3	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	3	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	5	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	5	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	6	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	6	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	7	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	7	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	9	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	9	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	10	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	10	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	11	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	11	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	12	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	13	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	13	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	14	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	14	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	15	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	15	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	16	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	16	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	17	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	17	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	18	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	18	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	19	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	19	0.45
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	20	0.45
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	20	0.45
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	6	0.45
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	6	0.45
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	10	0.45
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	10	0.45
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	16	0.45
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	16	0.45
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	19	0.45
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	19	0.45
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	20	0.45
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	20	0.45
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	6	0.45
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	6	0.45
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	10	0.45
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	10	0.45
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	16	0.45
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	16	0.45
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	19	0.45
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	19	0.45
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	20	0.45
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	20	0.45
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	7	0.45
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	7	0.45
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	7	0.45
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	8	0.45
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	8	0.45
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	12	0.45
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	12	0.45
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	12	0.45
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	16	0.45
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	16	0.45
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	16	0.45
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	4	0.45
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	4	0.45
(1,440)	1:9:A:ARG:HG2	1:10:A:ASP:H	8	0.45
(1,440)	1:9:A:ARG:HG3	1:10:A:ASP:H	8	0.45
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	15	0.45
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	15	0.45
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	15	0.45
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	15	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	1	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	1	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	1	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	1	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	2	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	2	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	2	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	2	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	3	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	3	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	3	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	3	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	6	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	6	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	6	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	6	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	7	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	7	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	7	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	7	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	9	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	9	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	9	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	9	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	10	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	10	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	10	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	10	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	13	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	13	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	13	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	13	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	14	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	14	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	14	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	14	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	16	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	16	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	16	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	16	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	17	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	17	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	17	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	17	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	18	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	18	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	18	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	18	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	19	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	19	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	19	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	19	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	20	0.45
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	20	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	20	0.45
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	20	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	1	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	1	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	1	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	1	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	2	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	2	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	2	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	2	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	3	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	3	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	3	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	3	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	4	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	4	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	4	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	6	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	6	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	6	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	6	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	7	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	7	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	7	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	7	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	8	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	8	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	8	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	8	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	9	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	9	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	9	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	9	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	10	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	10	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	10	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	10	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	11	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	11	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	11	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	11	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	12	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	12	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	12	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	12	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	13	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	13	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	13	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	13	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	14	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	14	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	14	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	14	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	15	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	15	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	15	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	16	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	16	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	16	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	16	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	18	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	18	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	18	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	18	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	19	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	19	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	19	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	19	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	20	0.45
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	20	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	20	0.45
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	20	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	1	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	1	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	1	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	1	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	2	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	2	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	2	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	2	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	3	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	3	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	3	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	3	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	4	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	4	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	4	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	4	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	6	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	6	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	6	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	6	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	7	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	7	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	7	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	7	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	8	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	8	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	8	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	9	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	9	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	9	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	9	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	10	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	10	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	10	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	10	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	11	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	11	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	11	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	11	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	12	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	12	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	12	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	12	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	13	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	13	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	13	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	13	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	14	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	14	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	14	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	14	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	15	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	15	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	15	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	15	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	16	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	16	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	16	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	16	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	18	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	18	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	18	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	18	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	19	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	19	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	19	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	20	0.45
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	20	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	20	0.45
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	20	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	2	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	2	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	3	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	3	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	4	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	4	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	5	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	5	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	6	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	6	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	7	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	7	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	8	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	8	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	9	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	9	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	10	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	10	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	11	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	11	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	13	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	13	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	14	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	14	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	16	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	16	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	17	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	17	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	18	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	18	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	20	0.45
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	20	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	1	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	1	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	3	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	3	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	5	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	6	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	6	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	7	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	7	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	10	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	10	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	11	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	11	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	12	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	12	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	13	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	13	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	15	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	15	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	16	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	16	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	17	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	17	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	18	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	18	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	19	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	19	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	20	0.45
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	20	0.45
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	1	0.45
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	1	0.45
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	1	0.45
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	1	0.45
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	5	0.45
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	5	0.45
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	5	0.45
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	5	0.45
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	15	0.45
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	15	0.45
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	15	0.45
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	15	0.45
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	16	0.45
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	16	0.45
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	16	0.45
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	16	0.45
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	20	0.45
(1,365)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	20	0.45
(1,365)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	20	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	1	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	1	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	1	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	1	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	1	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	1	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	2	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	2	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	2	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	2	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	2	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	2	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	3	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	3	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	3	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	3	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	3	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	3	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	5	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	5	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	5	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	5	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	5	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	5	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	6	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	6	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	6	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	6	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	6	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	6	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	7	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	7	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	7	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	7	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	7	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	7	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	9	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	9	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	9	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	9	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	9	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	10	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	10	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	10	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	10	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	10	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	10	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	11	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	11	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	11	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	11	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	11	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	11	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	12	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	12	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	12	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	12	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	12	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	12	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	13	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	13	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	13	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	13	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	13	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	13	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	14	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	14	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	14	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	14	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	14	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	14	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	16	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	16	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	16	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	16	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	16	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	16	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	17	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	17	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	17	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	17	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	17	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	18	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	18	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	18	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	18	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	18	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	18	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	19	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	19	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	19	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	19	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	19	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	19	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	20	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	20	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	20	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	20	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	20	0.45
(1,360)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	20	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	2	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	2	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	2	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	7	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	7	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	7	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	11	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	11	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	11	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	12	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	12	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	12	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	13	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	13	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	13	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	14	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	14	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	14	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	15	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	15	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	15	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	16	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	16	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	19	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	19	0.45
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	19	0.45
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	1	0.45
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	1	0.45
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	7	0.45
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	7	0.45
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	12	0.45
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	12	0.45
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	4	0.45
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	4	0.45
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	8	0.45
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	8	0.45
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	1	0.45
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	1	0.45
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	2	0.45
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	2	0.45
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	3	0.45
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	3	0.45
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	6	0.45
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	6	0.45
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	7	0.45
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	7	0.45
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	10	0.45
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	10	0.45
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	11	0.45
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	11	0.45
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	12	0.45
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	12	0.45
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	13	0.45
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	13	0.45
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	14	0.45
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	14	0.45
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	15	0.45
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	15	0.45
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	16	0.45
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	16	0.45
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	17	0.45
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	17	0.45
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	18	0.45
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	19	0.45
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	19	0.45
(1,292)	1:7:A:PHE:HD1	1:8:A:PHE:HZ	20	0.45
(1,292)	1:7:A:PHE:HD2	1:8:A:PHE:HZ	20	0.45
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	3	0.45
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	3	0.45
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	3	0.45
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	3	0.45
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	9	0.45
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	9	0.45
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	9	0.45
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	9	0.45
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	13	0.45
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	13	0.45
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	13	0.45
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	13	0.45
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	14	0.45
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	14	0.45
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	14	0.45
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	14	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	1	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	2	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	3	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	4	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	5	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	6	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	7	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	8	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	9	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	10	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	11	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	12	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	13	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	14	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	15	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	16	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	18	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	19	0.45
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	20	0.45
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	3	0.45
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	3	0.45
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	11	0.45
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	11	0.45
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	11	0.45
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	15	0.45
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	15	0.45
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	15	0.45
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	18	0.45
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	18	0.45
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	18	0.45
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	20	0.45
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	20	0.45
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	20	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	3	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	3	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	4	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	4	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	6	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	6	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	7	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	7	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	8	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	8	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	10	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	10	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	11	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	11	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	15	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	15	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	16	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	16	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	18	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	18	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB2	20	0.45
(1,251)	1:6:A:ALA:HA	1:8:A:PHE:HB3	20	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	3	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	3	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	4	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	4	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	6	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	6	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	7	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	8	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	8	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	10	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	10	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	11	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	11	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	15	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	15	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	16	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	16	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	18	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	18	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB2	20	0.45
(1,250)	1:6:A:ALA:HA	1:8:A:PHE:HB3	20	0.45
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	3	0.45
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	7	0.45
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	10	0.45
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	16	0.45
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	18	0.45
(1,234)	1:5:A:SER:HA	1:8:A:PHE:HZ	20	0.45
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	4	0.45
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	4	0.45
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB2	8	0.45
(1,230)	1:5:A:SER:H	1:7:A:PHE:HB3	8	0.45
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	13	0.45
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	13	0.45
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	17	0.45
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	17	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	3	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	3	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	3	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	3	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	4	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	4	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	4	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	4	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	5	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	5	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	5	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	5	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	6	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	6	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	6	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	7	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	7	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	7	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	7	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	8	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	8	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	8	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	8	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	10	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	10	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	10	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	10	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	11	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	11	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	11	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	11	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	12	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	12	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	12	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	12	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	14	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	14	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	14	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	14	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	15	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	15	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	15	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	15	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB2	20	0.45
(1,227)	1:5:A:SER:HB2	1:7:A:PHE:HB3	20	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB2	20	0.45
(1,227)	1:5:A:SER:HB3	1:7:A:PHE:HB3	20	0.45
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	13	0.45
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	13	0.45
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	17	0.45
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	17	0.45
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	1	0.45
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	1	0.45
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	1	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	1	0.45
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	7	0.45
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	7	0.45
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	7	0.45
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	7	0.45
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	9	0.45
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	9	0.45
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	9	0.45
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	9	0.45
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	10	0.45
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	10	0.45
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	10	0.45
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	10	0.45
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	11	0.45
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	11	0.45
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	11	0.45
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	11	0.45
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	12	0.45
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	12	0.45
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	12	0.45
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	12	0.45
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	15	0.45
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	15	0.45
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	15	0.45
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	15	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	3	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	3	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	3	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	3	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	4	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	4	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	4	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	4	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	5	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	5	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	5	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	5	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	6	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	6	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	6	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	6	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	7	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	7	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	7	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	8	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	8	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	8	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	8	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	10	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	10	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	10	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	10	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	11	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	11	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	11	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	11	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	12	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	12	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	12	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	12	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	14	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	14	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	14	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	14	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	15	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	15	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	15	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	15	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB2	20	0.45
(1,224)	1:5:A:SER:HB2	1:7:A:PHE:HB3	20	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB2	20	0.45
(1,224)	1:5:A:SER:HB3	1:7:A:PHE:HB3	20	0.45
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	3	0.45
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	3	0.45
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	6	0.45
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	6	0.45
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	10	0.45
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	10	0.45
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	16	0.45
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	16	0.45
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	17	0.45
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	17	0.45
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	18	0.45
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	20	0.45
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	20	0.45
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	2	0.45
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	2	0.45
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	2	0.45
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	2	0.45
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	2	0.45
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	2	0.45
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	3	0.45
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	3	0.45
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	3	0.45
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	3	0.45
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	3	0.45
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	3	0.45
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	4	0.45
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	4	0.45
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	4	0.45
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	4	0.45
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	4	0.45
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	4	0.45
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	5	0.45
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	5	0.45
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	5	0.45
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	5	0.45
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	5	0.45
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	5	0.45
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	8	0.45
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	8	0.45
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	8	0.45
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	8	0.45
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	8	0.45
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	8	0.45
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	10	0.45
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	10	0.45
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	10	0.45
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	10	0.45
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	10	0.45
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	10	0.45
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	11	0.45
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	11	0.45
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	11	0.45
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	11	0.45
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	11	0.45
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	13	0.45
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	13	0.45
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	13	0.45
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	13	0.45
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	13	0.45
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	13	0.45
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	17	0.45
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	17	0.45
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	17	0.45
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	17	0.45
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	17	0.45
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	17	0.45
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	19	0.45
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	19	0.45
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	19	0.45
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	19	0.45
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	19	0.45
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	19	0.45
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	2	0.45
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	2	0.45
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	2	0.45
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	2	0.45
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	2	0.45
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	2	0.45
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	3	0.45
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	3	0.45
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	3	0.45
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	3	0.45
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	3	0.45
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	3	0.45
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	4	0.45
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	4	0.45
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	4	0.45
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	4	0.45
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	4	0.45
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	4	0.45
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	5	0.45
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	5	0.45
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	5	0.45
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	5	0.45
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	5	0.45
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	8	0.45
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	8	0.45
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	8	0.45
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	8	0.45
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	8	0.45
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	8	0.45
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	10	0.45
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	10	0.45
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	10	0.45
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	10	0.45
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	10	0.45
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	10	0.45
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	11	0.45
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	11	0.45
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	11	0.45
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	11	0.45
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	11	0.45
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	11	0.45
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	13	0.45
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	13	0.45
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	13	0.45
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	13	0.45
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	13	0.45
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	13	0.45
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	17	0.45
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	17	0.45
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	17	0.45
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	17	0.45
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	17	0.45
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	17	0.45
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	19	0.45
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	19	0.45
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	19	0.45
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	19	0.45
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	19	0.45
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	19	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	2	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	2	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	3	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	4	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	4	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	5	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	5	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	8	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	8	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	10	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	10	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	11	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	11	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	13	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	13	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	14	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	14	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	15	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	15	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	17	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	17	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	19	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	19	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	20	0.45
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	20	0.45
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	4	0.45
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	4	0.45
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	8	0.45
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	8	0.45
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	17	0.45
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	17	0.45
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	1	0.45
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	2	0.45
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	3	0.45
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	4	0.45
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	5	0.45
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	6	0.45
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	7	0.45
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	8	0.45
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	10	0.45
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	11	0.45
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	13	0.45
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	17	0.45
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	19	0.45
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	20	0.45
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	19	0.45
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	19	0.45
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	19	0.45
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	19	0.45
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	19	0.45
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	19	0.45
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	4	0.45
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	4	0.45
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	6	0.45
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	6	0.45
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	7	0.45
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	7	0.45
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	8	0.45
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	8	0.45
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	10	0.45
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	10	0.45
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	18	0.45
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	18	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	1	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	1	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	1	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	1	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	2	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	2	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	2	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	2	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	4	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	4	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	4	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	4	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	7	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	7	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	7	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	7	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	8	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	8	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	8	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	8	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	10	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	10	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	10	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	10	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	12	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	12	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	12	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	12	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	13	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	13	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	13	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	13	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	18	0.45
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	18	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	18	0.45
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	18	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	1	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	1	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	1	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	1	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	2	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	2	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	2	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	2	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	4	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	4	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	4	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	4	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	7	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	7	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	7	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	7	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	8	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	8	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	8	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	8	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	10	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	10	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	10	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	10	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	12	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	12	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	12	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	13	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	13	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	13	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	13	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	18	0.45
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	18	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	18	0.45
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	18	0.45
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	4	0.45
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	6	0.45
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	7	0.45
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	8	0.45
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	10	0.45
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	18	0.45
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	19	0.45
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	2	0.45
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	1	0.45
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	1	0.45
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	1	0.45
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	1	0.45
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	9	0.45
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	9	0.45
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	9	0.45
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	9	0.45
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	1	0.45
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	1	0.45
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	13	0.45
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	13	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	2	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	2	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	2	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	2	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	2	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	2	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	2	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	2	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	2	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	2	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	2	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	2	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	13	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	13	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	13	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	13	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	13	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	13	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	13	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	13	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	13	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	13	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	13	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	13	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	14	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	14	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	14	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	14	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	14	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	14	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	14	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	14	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	14	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	14	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	14	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	14	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	19	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	19	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	19	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	19	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	19	0.45
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	19	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	19	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	19	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	19	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	19	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	19	0.45
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	19	0.45
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	1	0.45
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	1	0.45
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	13	0.45
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	13	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	2	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	2	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	2	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	2	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	2	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	2	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	2	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	2	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	2	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	2	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	2	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	13	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	13	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	13	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	13	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	13	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	13	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	13	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	13	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	13	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	13	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	13	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	13	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	14	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	14	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	14	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	14	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	14	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	14	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	14	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	14	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	14	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	14	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	14	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	14	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	19	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	19	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	19	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	19	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	19	0.45
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	19	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	19	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	19	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	19	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	19	0.45
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	19	0.45
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	2	0.45
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	2	0.45
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	2	0.45
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	2	0.45
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	5	0.45
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	5	0.45
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	5	0.45
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	5	0.45
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	13	0.45
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	13	0.45
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	13	0.45
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	13	0.45
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	19	0.45
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	19	0.45
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	19	0.45
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	19	0.45
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	14	0.45
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD11	4	0.44
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD12	8	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	1	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	1	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	2	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	2	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	3	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	3	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	5	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	5	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	6	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	6	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	7	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	7	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	10	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	10	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	12	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	12	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	13	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	13	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	14	0.44
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	14	0.44
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	11	0.44
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	2	0.44
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	3	0.44
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	6	0.44
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	9	0.44
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	10	0.44
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	12	0.44
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	13	0.44
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	14	0.44
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	16	0.44
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	17	0.44
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	18	0.44
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	1	0.44
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	2	0.44
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	6	0.44
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	7	0.44
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	9	0.44
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	13	0.44
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	14	0.44
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	16	0.44
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	17	0.44
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	18	0.44
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	19	0.44
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	20	0.44
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	2	0.44
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	2	0.44
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	3	0.44
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	3	0.44
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	13	0.44
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	13	0.44
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	16	0.44
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	16	0.44
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	9	0.44
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	11	0.44
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	11	0.44
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	11	0.44
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	11	0.44
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB2	15	0.44
(1,563)	1:11:A:PHE:HE1	1:15:A:ARG:HB3	15	0.44
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB2	15	0.44
(1,563)	1:11:A:PHE:HE2	1:15:A:ARG:HB3	15	0.44
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	4	0.44
(1,549)	1:11:A:PHE:HE1	1:13:A:LEU:HA	8	0.44
(1,549)	1:11:A:PHE:HE2	1:13:A:LEU:HA	8	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	1	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	1	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	2	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	2	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	3	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	3	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	5	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	5	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	7	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	7	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	9	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	9	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	11	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	11	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	12	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	12	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	13	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	13	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	14	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	14	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	15	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	15	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	17	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	17	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	18	0.44
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	18	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	1	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	1	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	2	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	2	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	3	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	3	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	5	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	5	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	7	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	7	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	9	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	9	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	11	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	12	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	12	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	13	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	13	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	14	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	14	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	15	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	15	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	17	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	17	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	18	0.44
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	18	0.44
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	4	0.44
(1,470)	1:9:A:ARG:HA	1:14:A:GLN:H	8	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	1	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	1	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	1	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	2	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	2	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	2	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	3	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	3	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	3	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	5	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	5	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	5	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	6	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	6	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	6	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	9	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	9	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	9	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	10	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	10	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	10	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	11	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	11	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	11	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	13	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	13	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	14	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	14	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	14	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	15	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	15	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	15	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	17	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	17	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	17	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	18	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	18	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	18	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	19	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	19	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	19	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD11	20	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD12	20	0.44
(1,455)	1:9:A:ARG:H	1:12:A:ILE:HD13	20	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	1	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	1	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	2	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	2	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	3	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	3	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	5	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	5	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	6	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	6	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	7	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	7	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	9	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	9	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	10	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	10	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	11	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	11	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	12	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	12	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	13	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	13	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	14	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	14	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	16	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	16	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	17	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	17	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	18	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	18	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	19	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	19	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB2	20	0.44
(1,431)	1:9:A:ARG:HA	1:10:A:ASP:HB3	20	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	1	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	1	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	2	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	2	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	3	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	3	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	5	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	5	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	6	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	6	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	7	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	7	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	9	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	9	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	10	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	10	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	11	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	11	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	12	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	12	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	13	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	13	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	14	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	14	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	16	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	16	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	17	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	17	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	18	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	18	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	19	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB2	20	0.44
(1,430)	1:9:A:ARG:HA	1:10:A:ASP:HB3	20	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	1	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	1	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	2	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	2	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	3	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	3	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	5	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	5	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	9	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	9	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	10	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	10	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	13	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	13	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	14	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	14	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	16	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	16	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	17	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	17	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	19	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	19	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	20	0.44
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	20	0.44
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	4	0.44
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	4	0.44
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	8	0.44
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	8	0.44
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	5	0.44
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	5	0.44
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	5	0.44
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	5	0.44
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	11	0.44
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	11	0.44
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	11	0.44
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	11	0.44
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE1	15	0.44
(1,402)	1:8:A:PHE:HD1	1:11:A:PHE:HE2	15	0.44
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE1	15	0.44
(1,402)	1:8:A:PHE:HD2	1:11:A:PHE:HE2	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	5	0.44
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	5	0.44
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	5	0.44
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	5	0.44
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	17	0.44
(1,401)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	17	0.44
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	17	0.44
(1,401)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	17	0.44
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	5	0.44
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	5	0.44
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	5	0.44
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	5	0.44
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB2	17	0.44
(1,400)	1:8:A:PHE:HD1	1:11:A:PHE:HB3	17	0.44
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB2	17	0.44
(1,400)	1:8:A:PHE:HD2	1:11:A:PHE:HB3	17	0.44
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE1	15	0.44
(1,396)	1:8:A:PHE:HA	1:11:A:PHE:HE2	15	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	1	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	1	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	1	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	3	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	3	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	3	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	5	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	5	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	5	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	6	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	6	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	6	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	9	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	9	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	9	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	10	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	10	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	10	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	17	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	17	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	17	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	18	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	18	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	18	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	20	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	20	0.44
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	20	0.44
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	15	0.44
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	15	0.44
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	4	0.44
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	4	0.44
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	4	0.44
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD11	8	0.44
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD12	8	0.44
(1,341)	1:7:A:PHE:HA	1:12:A:ILE:HD13	8	0.44
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	2	0.44
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	2	0.44
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	2	0.44
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	2	0.44
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	3	0.44
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	3	0.44
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	3	0.44
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	3	0.44
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	9	0.44
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	9	0.44
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	9	0.44
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	9	0.44
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	10	0.44
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	10	0.44
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	10	0.44
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	10	0.44
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	14	0.44
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	14	0.44
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	14	0.44
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	14	0.44
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	19	0.44
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	19	0.44
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	19	0.44
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	19	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	2	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	2	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	3	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	3	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	5	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	5	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	6	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	6	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	9	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	9	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	10	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	10	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	11	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	11	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	13	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	13	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	14	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	14	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	16	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	16	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	17	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	17	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	18	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	18	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	19	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	19	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	20	0.44
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	20	0.44
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	4	0.44
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	4	0.44
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	4	0.44
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	4	0.44
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	8	0.44
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	8	0.44
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	8	0.44
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	8	0.44
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	1	0.44
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	1	0.44
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	12	0.44
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	12	0.44
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	4	0.44
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	4	0.44
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	4	0.44
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	4	0.44
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD1	8	0.44
(1,288)	1:7:A:PHE:HB2	1:8:A:PHE:HD2	8	0.44
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD1	8	0.44
(1,288)	1:7:A:PHE:HB3	1:8:A:PHE:HD2	8	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	1	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	2	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	2	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	3	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	3	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	5	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	5	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	6	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	6	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	7	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	7	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	9	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	9	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	10	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	10	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	11	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	11	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	12	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	12	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	13	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	13	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	14	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	14	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	15	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	15	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	16	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	16	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	17	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	17	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	18	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	18	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	19	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	19	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	20	0.44
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	20	0.44
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	1	0.44
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	1	0.44
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	1	0.44
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	6	0.44
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	6	0.44
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	6	0.44
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	7	0.44
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	7	0.44
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	11	0.44
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	11	0.44
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	11	0.44
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	12	0.44
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	12	0.44
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	12	0.44
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	15	0.44
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	15	0.44
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	15	0.44
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	20	0.44
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	20	0.44
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	20	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	1	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	1	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	2	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	2	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	3	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	3	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	5	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	5	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	6	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	6	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	7	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	7	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	10	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	10	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	11	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	11	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	12	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	12	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	13	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	13	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	14	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	14	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	15	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	15	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	16	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	16	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	18	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	18	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	19	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	19	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	20	0.44
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	20	0.44
(1,256)	1:6:A:ALA:H	1:8:A:PHE:HA	17	0.44
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	1	0.44
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	1	0.44
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	1	0.44
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	2	0.44
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	2	0.44
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	2	0.44
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	4	0.44
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	4	0.44
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	4	0.44
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	5	0.44
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	5	0.44
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	5	0.44
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	6	0.44
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	6	0.44
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	6	0.44
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	7	0.44
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	7	0.44
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	7	0.44
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	8	0.44
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	8	0.44
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	8	0.44
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	9	0.44
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	9	0.44
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	9	0.44
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	10	0.44
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	10	0.44
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	10	0.44
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	12	0.44
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	12	0.44
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	12	0.44
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	13	0.44
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	13	0.44
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	13	0.44
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	14	0.44
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	14	0.44
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	14	0.44
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	16	0.44
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	16	0.44
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	17	0.44
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	17	0.44
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	17	0.44
(1,255)	1:6:A:ALA:HB1	1:8:A:PHE:H	19	0.44
(1,255)	1:6:A:ALA:HB2	1:8:A:PHE:H	19	0.44
(1,255)	1:6:A:ALA:HB3	1:8:A:PHE:H	19	0.44
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	9	0.44
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	9	0.44
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	2	0.44
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	2	0.44
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	5	0.44
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	5	0.44
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	13	0.44
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	13	0.44
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	14	0.44
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	14	0.44
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	19	0.44
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	19	0.44
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	1	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	1	0.44
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	2	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	2	0.44
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	3	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	3	0.44
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	4	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	4	0.44
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	5	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	5	0.44
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	6	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	6	0.44
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	7	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	7	0.44
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	8	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	8	0.44
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	10	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	10	0.44
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	12	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	12	0.44
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	14	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	14	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	15	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	15	0.44
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	16	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	16	0.44
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	18	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	18	0.44
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	19	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	19	0.44
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	20	0.44
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	20	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	1	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	1	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	2	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	2	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	3	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	3	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	4	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	4	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	5	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	5	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	6	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	6	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	7	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	7	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	8	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	8	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	10	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	10	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	12	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	12	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	14	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	14	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	15	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	15	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	16	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	16	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	18	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	18	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	19	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	19	0.44
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	20	0.44
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	20	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	3	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	3	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	3	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	3	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	4	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	4	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	4	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	4	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	6	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	6	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	6	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	6	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	8	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	8	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	8	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	8	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	14	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	14	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	14	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	14	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	16	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	16	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	16	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	16	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	18	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	18	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	18	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	18	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	20	0.44
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	20	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	20	0.44
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	20	0.44
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	4	0.44
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	4	0.44
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE1	8	0.44
(1,222)	1:5:A:SER:HA	1:7:A:PHE:HE2	8	0.44
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	11	0.44
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	11	0.44
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	12	0.44
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	12	0.44
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	15	0.44
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	1	0.44
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	1	0.44
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	1	0.44
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	1	0.44
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	1	0.44
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	1	0.44
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	6	0.44
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	6	0.44
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	6	0.44
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	6	0.44
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	6	0.44
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	6	0.44
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	7	0.44
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	7	0.44
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	7	0.44
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	7	0.44
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	7	0.44
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	7	0.44
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	9	0.44
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	9	0.44
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	9	0.44
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	9	0.44
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	9	0.44
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	9	0.44
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	12	0.44
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	12	0.44
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	12	0.44
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	12	0.44
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	12	0.44
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	12	0.44
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	15	0.44
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	15	0.44
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	15	0.44
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	15	0.44
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	15	0.44
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	15	0.44
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	16	0.44
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	16	0.44
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	16	0.44
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	16	0.44
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	16	0.44
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	18	0.44
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	18	0.44
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	18	0.44
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	18	0.44
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	18	0.44
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	18	0.44
(1,198)	1:4:A:LEU:HD11	1:8:A:PHE:HA	20	0.44
(1,198)	1:4:A:LEU:HD12	1:8:A:PHE:HA	20	0.44
(1,198)	1:4:A:LEU:HD13	1:8:A:PHE:HA	20	0.44
(1,198)	1:4:A:LEU:HD21	1:8:A:PHE:HA	20	0.44
(1,198)	1:4:A:LEU:HD22	1:8:A:PHE:HA	20	0.44
(1,198)	1:4:A:LEU:HD23	1:8:A:PHE:HA	20	0.44
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	1	0.44
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	1	0.44
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	1	0.44
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	1	0.44
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	1	0.44
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	1	0.44
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	6	0.44
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	6	0.44
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	6	0.44
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	6	0.44
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	6	0.44
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	6	0.44
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	7	0.44
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	7	0.44
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	7	0.44
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	7	0.44
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	7	0.44
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	7	0.44
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	9	0.44
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	9	0.44
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	9	0.44
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	9	0.44
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	9	0.44
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	9	0.44
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	12	0.44
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	12	0.44
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	12	0.44
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	12	0.44
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	12	0.44
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	15	0.44
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	15	0.44
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	15	0.44
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	15	0.44
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	15	0.44
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	15	0.44
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	16	0.44
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	16	0.44
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	16	0.44
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	16	0.44
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	16	0.44
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	16	0.44
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	18	0.44
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	18	0.44
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	18	0.44
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	18	0.44
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	18	0.44
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	18	0.44
(1,191)	1:4:A:LEU:HD11	1:8:A:PHE:HA	20	0.44
(1,191)	1:4:A:LEU:HD12	1:8:A:PHE:HA	20	0.44
(1,191)	1:4:A:LEU:HD13	1:8:A:PHE:HA	20	0.44
(1,191)	1:4:A:LEU:HD21	1:8:A:PHE:HA	20	0.44
(1,191)	1:4:A:LEU:HD22	1:8:A:PHE:HA	20	0.44
(1,191)	1:4:A:LEU:HD23	1:8:A:PHE:HA	20	0.44
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	1	0.44
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	1	0.44
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	6	0.44
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	6	0.44
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	7	0.44
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	7	0.44
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	9	0.44
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	9	0.44
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	12	0.44
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	12	0.44
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	16	0.44
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	16	0.44
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE1	18	0.44
(1,187)	1:4:A:LEU:H	1:7:A:PHE:HE2	18	0.44
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	2	0.44
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	2	0.44
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	5	0.44
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	9	0.44
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	9	0.44
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	13	0.44
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	13	0.44
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	14	0.44
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	14	0.44
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD1	19	0.44
(1,183)	1:4:A:LEU:HG	1:7:A:PHE:HD2	19	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	1	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	1	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	2	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	2	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	4	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	4	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	6	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	6	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	7	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	7	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	8	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	8	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	9	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	9	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	10	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	10	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	12	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	12	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	13	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	13	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	14	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	14	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	16	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	16	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	17	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	17	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	18	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	18	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	19	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	19	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	20	0.44
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	20	0.44
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	9	0.44
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	14	0.44
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	15	0.44
(1,118)	1:3:A:ARG:H	1:6:A:ALA:HA	16	0.44
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	15	0.44
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	15	0.44
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	15	0.44
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	15	0.44
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	15	0.44
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	15	0.44
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	20	0.44
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	20	0.44
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	20	0.44
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	20	0.44
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	20	0.44
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	20	0.44
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	1	0.44
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	1	0.44
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	3	0.44
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	3	0.44
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	11	0.44
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	11	0.44
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	12	0.44
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	12	0.44
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	13	0.44
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	13	0.44
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	16	0.44
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	16	0.44
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	6	0.44
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	6	0.44
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	6	0.44
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	6	0.44
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB2	16	0.44
(1,108)	1:3:A:ARG:HB2	1:5:A:SER:HB3	16	0.44
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB2	16	0.44
(1,108)	1:3:A:ARG:HB3	1:5:A:SER:HB3	16	0.44
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	6	0.44
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	6	0.44
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	6	0.44
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	6	0.44
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB2	16	0.44
(1,107)	1:3:A:ARG:HB2	1:5:A:SER:HB3	16	0.44
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB2	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:3:A:ARG:HB3	1:5:A:SER:HB3	16	0.44
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	1	0.44
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	4	0.44
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	6	0.44
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	7	0.44
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	8	0.44
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	10	0.44
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	12	0.44
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	16	0.44
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	18	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	1	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	1	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	3	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	3	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	4	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	4	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	6	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	6	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	7	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	7	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	8	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	8	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	10	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	10	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	11	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	11	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	12	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	12	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	15	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	15	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	16	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	16	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	18	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	18	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	20	0.44
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	20	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	1	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	1	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	3	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	3	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	4	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	6	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	6	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	7	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	7	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	8	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	8	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	10	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	10	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	11	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	11	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	12	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	12	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	15	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	15	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	16	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	16	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	18	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	18	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	20	0.44
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	20	0.44
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	2	0.44
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	3	0.44
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	9	0.44
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	11	0.44
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	13	0.44
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	15	0.44
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	20	0.44
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	6	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	3	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	3	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	3	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	3	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	4	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	4	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	4	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	4	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	6	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	6	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	6	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	6	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	7	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	7	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	7	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	8	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	8	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	8	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	8	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	10	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	10	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	10	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	10	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	11	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	11	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	11	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	11	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	12	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	12	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	12	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	12	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	15	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	15	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	15	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	15	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	16	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	16	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	16	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	16	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	18	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	18	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	18	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	18	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE1	20	0.44
(1,63)	1:2:A:MET:HB2	1:7:A:PHE:HE2	20	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE1	20	0.44
(1,63)	1:2:A:MET:HB3	1:7:A:PHE:HE2	20	0.44
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	5	0.44
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	5	0.44
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	5	0.44
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	5	0.44
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	5	0.44
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	5	0.44
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	5	0.44
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	5	0.44
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	5	0.44
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	5	0.44
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	5	0.44
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	5	0.44
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	5	0.44
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	5	0.44
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	5	0.44
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	5	0.44
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	5	0.44
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	5	0.44
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	5	0.44
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	5	0.44
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	5	0.44
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	5	0.44
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	5	0.44
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	5	0.44
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	5	0.44
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	5	0.44
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	5	0.44
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	1	0.44
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	1	0.44
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD13	1	0.43
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD12	3	0.43
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD12	6	0.43
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD12	7	0.43
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD12	10	0.43
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD12	12	0.43
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD12	15	0.43
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD11	16	0.43
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD12	18	0.43
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD13	19	0.43
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD11	20	0.43
(1,742)	1:16:A:LYS:H	1:17:A:LYS:H	11	0.43
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	5	0.43
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	5	0.43
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	5	0.43
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	5	0.43
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	7	0.43
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	7	0.43
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	7	0.43
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	11	0.43
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	11	0.43
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	9	0.43
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	9	0.43
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	16	0.43
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	16	0.43
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	17	0.43
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	17	0.43
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	18	0.43
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	18	0.43
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	19	0.43
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	19	0.43
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	20	0.43
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	20	0.43
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	4	0.43
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	4	0.43
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	8	0.43
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	8	0.43
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	3	0.43
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	3	0.43
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	9	0.43
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	9	0.43
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	10	0.43
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	10	0.43
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	16	0.43
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	16	0.43
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	18	0.43
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	18	0.43
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	20	0.43
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	20	0.43
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	1	0.43
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	4	0.43
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	5	0.43
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	7	0.43
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	8	0.43
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	19	0.43
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	20	0.43
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	3	0.43
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	10	0.43
(1,683)	1:15:A:ARG:HA	1:15:A:ARG:HE	12	0.43
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	1	0.43
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	5	0.43
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	5	0.43
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	6	0.43
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	6	0.43
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	9	0.43
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	9	0.43
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	18	0.43
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	18	0.43
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	20	0.43
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	20	0.43
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	4	0.43
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	4	0.43
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG2	8	0.43
(1,599)	1:12:A:ILE:H	1:14:A:GLN:HG3	8	0.43
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	1	0.43
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	1	0.43
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	2	0.43
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	2	0.43
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	3	0.43
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	3	0.43
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	5	0.43
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	5	0.43
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	6	0.43
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	6	0.43
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	7	0.43
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	7	0.43
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	9	0.43
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	9	0.43
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	10	0.43
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	10	0.43
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	11	0.43
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	11	0.43
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	13	0.43
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	13	0.43
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	14	0.43
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	14	0.43
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	16	0.43
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	16	0.43
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	17	0.43
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	17	0.43
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	18	0.43
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	20	0.43
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	20	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	1	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	1	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	2	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	2	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	3	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	3	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	5	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	5	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	6	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	6	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	7	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	7	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	9	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	9	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	10	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	10	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	11	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	11	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	12	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	12	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	13	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	13	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	14	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	14	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	15	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	15	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	16	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	16	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	17	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	17	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	18	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	18	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	19	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	19	0.43
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	20	0.43
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	20	0.43
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	4	0.43
(1,518)	1:10:A:ASP:HA	1:14:A:GLN:H	8	0.43
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	2	0.43
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	2	0.43
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	19	0.43
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	19	0.43
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	19	0.43
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	6	0.43
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	6	0.43
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	7	0.43
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	7	0.43
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	11	0.43
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	11	0.43
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	12	0.43
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	12	0.43
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	15	0.43
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	15	0.43
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	18	0.43
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	18	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	1	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	1	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	2	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	2	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	3	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	3	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	5	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	5	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	6	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	6	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	7	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	7	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	9	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	9	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	10	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	10	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	11	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	11	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	12	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	12	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	13	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	13	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	14	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	14	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	15	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	16	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	16	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	17	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	17	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	18	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	18	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	19	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	19	0.43
(1,409)	1:8:A:PHE:HD1	1:12:A:ILE:HB	20	0.43
(1,409)	1:8:A:PHE:HD2	1:12:A:ILE:HB	20	0.43
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	4	0.43
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	4	0.43
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB2	8	0.43
(1,387)	1:8:A:PHE:HA	1:10:A:ASP:HB3	8	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	1	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	2	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	3	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	4	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	5	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	6	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	7	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	8	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	9	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	10	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	11	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	12	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	13	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	14	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	16	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	17	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	18	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	19	0.43
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	20	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	1	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	1	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	2	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	2	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	3	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	3	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	6	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	6	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	7	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	10	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	10	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	11	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	11	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	12	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	12	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	13	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	13	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	14	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	14	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	16	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	16	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	17	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	17	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	18	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	18	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	19	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	19	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	20	0.43
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	20	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	1	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	1	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	2	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	2	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	3	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	3	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	6	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	6	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	7	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	7	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	10	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	10	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	11	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	11	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	12	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	12	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	13	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	13	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	14	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	14	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	16	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	17	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	17	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	18	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	18	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	19	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	19	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	20	0.43
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	20	0.43
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	11	0.43
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	11	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	1	0.43
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	1	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	2	0.43
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	2	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	3	0.43
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	3	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	5	0.43
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	5	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	6	0.43
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	6	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	7	0.43
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	7	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	9	0.43
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	9	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	10	0.43
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	10	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	11	0.43
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	11	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	12	0.43
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	12	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	13	0.43
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	13	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	14	0.43
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	14	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	16	0.43
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	16	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	17	0.43
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	17	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	18	0.43
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	18	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	19	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	19	0.43
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	20	0.43
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	20	0.43
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	4	0.43
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	4	0.43
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	8	0.43
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	8	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	1	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	1	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	1	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	1	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	5	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	5	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	5	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	5	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	6	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	6	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	6	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	6	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	7	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	7	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	7	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	7	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	11	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	11	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	11	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	11	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	12	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	12	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	12	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	12	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	13	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	13	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	13	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	13	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	15	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	15	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	15	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	15	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	16	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	16	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	16	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	17	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	17	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	17	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	17	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	18	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	18	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	18	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	18	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE1	20	0.43
(1,328)	1:7:A:PHE:HB2	1:11:A:PHE:HE2	20	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE1	20	0.43
(1,328)	1:7:A:PHE:HB3	1:11:A:PHE:HE2	20	0.43
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	15	0.43
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	15	0.43
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	4	0.43
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	8	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	2	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	2	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	3	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	3	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	5	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	5	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	6	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	6	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	7	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	7	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	9	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	9	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	10	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	10	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	11	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	11	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	13	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	13	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	14	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	14	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	15	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	15	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	16	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	16	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	17	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	18	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	18	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	19	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	19	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	20	0.43
(1,305)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	20	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	1	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	1	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	2	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	2	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	3	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	3	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	4	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	4	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	5	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	5	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	6	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	6	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	7	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	7	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	8	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	8	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	9	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	9	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	10	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	10	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	11	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	11	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	12	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	12	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	13	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	13	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	14	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	14	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	15	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	15	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	16	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	16	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	17	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	17	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	18	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	19	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	19	0.43
(1,279)	1:7:A:PHE:HD1	1:7:A:PHE:HZ	20	0.43
(1,279)	1:7:A:PHE:HD2	1:7:A:PHE:HZ	20	0.43
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	4	0.43
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	4	0.43
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE1	8	0.43
(1,272)	1:7:A:PHE:HA	1:7:A:PHE:HE2	8	0.43
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	2	0.43
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	2	0.43
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	2	0.43
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	3	0.43
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	3	0.43
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	3	0.43
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	5	0.43
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	5	0.43
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	5	0.43
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	10	0.43
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	10	0.43
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	10	0.43
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	13	0.43
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	13	0.43
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	13	0.43
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	14	0.43
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	14	0.43
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	14	0.43
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	16	0.43
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	16	0.43
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	16	0.43
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	17	0.43
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	17	0.43
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	17	0.43
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	18	0.43
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	18	0.43
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	18	0.43
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	19	0.43
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	19	0.43
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	19	0.43
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	4	0.43
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	4	0.43
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	8	0.43
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	9	0.43
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	9	0.43
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB2	17	0.43
(1,257)	1:6:A:ALA:H	1:8:A:PHE:HB3	17	0.43
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	1	0.43
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	1	0.43
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	3	0.43
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	3	0.43
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	4	0.43
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	4	0.43
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	6	0.43
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	6	0.43
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	7	0.43
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	7	0.43
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	8	0.43
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	8	0.43
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	10	0.43
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	10	0.43
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	11	0.43
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	11	0.43
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	12	0.43
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	12	0.43
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	15	0.43
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	15	0.43
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	16	0.43
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	16	0.43
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	18	0.43
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	18	0.43
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	20	0.43
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	20	0.43
(1,229)	1:5:A:SER:HB2	1:7:A:PHE:HZ	17	0.43
(1,229)	1:5:A:SER:HB3	1:7:A:PHE:HZ	17	0.43
(1,228)	1:5:A:SER:HB2	1:7:A:PHE:H	11	0.43
(1,228)	1:5:A:SER:HB3	1:7:A:PHE:H	11	0.43
(1,226)	1:5:A:SER:HB2	1:7:A:PHE:H	11	0.43
(1,226)	1:5:A:SER:HB3	1:7:A:PHE:H	11	0.43
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	2	0.43
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	2	0.43
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	2	0.43
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	2	0.43
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	5	0.43
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	5	0.43
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	5	0.43
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	13	0.43
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	13	0.43
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	13	0.43
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	13	0.43
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	17	0.43
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	17	0.43
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	17	0.43
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	17	0.43
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE1	19	0.43
(1,225)	1:5:A:SER:HB2	1:7:A:PHE:HE2	19	0.43
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE1	19	0.43
(1,225)	1:5:A:SER:HB3	1:7:A:PHE:HE2	19	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	1	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	1	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	3	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	3	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	4	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	4	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	5	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	5	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	6	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	6	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	7	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	7	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	8	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	8	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	9	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	9	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	10	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	10	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	16	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	16	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	18	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	18	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	19	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	19	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	20	0.43
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	20	0.43
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	17	0.43
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	17	0.43
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	17	0.43
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	17	0.43
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	17	0.43
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	17	0.43
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	17	0.43
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	17	0.43
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	17	0.43
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	17	0.43
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	17	0.43
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	3	0.43
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	3	0.43
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	5	0.43
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	5	0.43
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	11	0.43
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	11	0.43
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB2	15	0.43
(1,140)	1:4:A:LEU:HA	1:5:A:SER:HB3	15	0.43
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	2	0.43
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	2	0.43
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	2	0.43
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	2	0.43
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	2	0.43
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	2	0.43
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	11	0.43
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	11	0.43
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	11	0.43
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	11	0.43
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	11	0.43
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	11	0.43
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	13	0.43
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	13	0.43
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	13	0.43
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	13	0.43
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	13	0.43
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	13	0.43
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	17	0.43
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	17	0.43
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	17	0.43
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	17	0.43
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	17	0.43
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	2	0.43
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	2	0.43
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	9	0.43
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	9	0.43
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	15	0.43
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	15	0.43
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	17	0.43
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	17	0.43
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	20	0.43
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	20	0.43
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	3	0.43
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	11	0.43
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	15	0.43
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	19	0.43
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	20	0.43
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	2	0.43
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	2	0.43
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	13	0.43
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	13	0.43
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	17	0.43
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	17	0.43
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	2	0.43
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	2	0.43
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	13	0.43
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	13	0.43
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	17	0.43
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	17	0.43
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	14	0.43
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	17	0.43
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	7	0.43
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	19	0.43
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	19	0.43
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	17	0.43
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	17	0.43
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	17	0.43
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	17	0.43
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	17	0.43
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	17	0.43
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	17	0.43
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	17	0.43
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	17	0.43
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	17	0.43
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	17	0.43
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	17	0.43
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	17	0.43
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	17	0.43
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	17	0.43
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	17	0.43
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	17	0.43
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	17	0.43
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	17	0.43
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	17	0.43
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	17	0.43
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	17	0.43
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	17	0.43
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	14	0.43
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	14	0.43
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	9	0.43
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	9	0.43
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	9	0.43
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	9	0.43
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	17	0.43
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	17	0.43
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	17	0.43
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	17	0.43
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	5	0.43
(1,22)	1:2:A:MET:HA	1:4:A:LEU:HG	19	0.43
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	13	0.43
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	13	0.43
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	13	0.43
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	13	0.43
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD13	2	0.42
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD13	5	0.42
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD11	9	0.42
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD13	11	0.42
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD13	13	0.42
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD12	14	0.42
(2,17)	1:9:A:ARG:H	1:12:A:ILE:HD12	17	0.42
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	4	0.42
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	8	0.42
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	15	0.42
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	2	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	2	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	3	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	3	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	6	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	6	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	9	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	9	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	10	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	10	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	13	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	13	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	14	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	14	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	16	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	16	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	17	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	17	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	18	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	18	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	20	0.42
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	20	0.42
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	1	0.42
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	1	0.42
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	2	0.42
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	2	0.42
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	5	0.42
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	5	0.42
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	6	0.42
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	6	0.42
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	7	0.42
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	7	0.42
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	12	0.42
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	12	0.42
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	13	0.42
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	13	0.42
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	14	0.42
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	14	0.42
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	17	0.42
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	17	0.42
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	19	0.42
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	7	0.42
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	7	0.42
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	12	0.42
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	12	0.42
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	19	0.42
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	19	0.42
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	4	0.42
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	4	0.42
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	4	0.42
(1,598)	1:12:A:ILE:HD11	1:14:A:GLN:H	8	0.42
(1,598)	1:12:A:ILE:HD12	1:14:A:GLN:H	8	0.42
(1,598)	1:12:A:ILE:HD13	1:14:A:GLN:H	8	0.42
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	4	0.42
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	4	0.42
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	4	0.42
(1,590)	1:12:A:ILE:HD11	1:13:A:LEU:HA	8	0.42
(1,590)	1:12:A:ILE:HD12	1:13:A:LEU:HA	8	0.42
(1,590)	1:12:A:ILE:HD13	1:13:A:LEU:HA	8	0.42
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	12	0.42
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	12	0.42
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	15	0.42
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	15	0.42
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	19	0.42
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	19	0.42
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	5	0.42
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	5	0.42
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	5	0.42
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	5	0.42
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	5	0.42
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	5	0.42
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	5	0.42
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	5	0.42
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	5	0.42
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	5	0.42
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	5	0.42
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	5	0.42
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	14	0.42
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	14	0.42
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	14	0.42
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	14	0.42
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	14	0.42
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	14	0.42
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	14	0.42
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	14	0.42
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	14	0.42
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	14	0.42
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	14	0.42
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	4	0.42
(1,508)	1:10:A:ASP:HA	1:13:A:LEU:HG	8	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	1	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	1	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	1	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	3	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	3	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	3	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	5	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	5	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	5	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	6	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	6	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	6	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	7	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	7	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	7	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	9	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	9	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	9	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	10	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	10	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	10	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	11	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	11	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	11	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	12	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	12	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	12	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	13	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	13	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	13	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	14	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	14	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	14	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	15	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	15	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	16	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	16	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	16	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	17	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	17	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	17	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	18	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	18	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	18	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	20	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	20	0.42
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	20	0.42
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	4	0.42
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	4	0.42
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB2	8	0.42
(1,478)	1:10:A:ASP:HA	1:11:A:PHE:HB3	8	0.42
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	4	0.42
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	4	0.42
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB2	8	0.42
(1,477)	1:10:A:ASP:HA	1:11:A:PHE:HB3	8	0.42
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	4	0.42
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	4	0.42
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	4	0.42
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	4	0.42
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	4	0.42
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	4	0.42
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	8	0.42
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	8	0.42
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	8	0.42
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	8	0.42
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	8	0.42
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	8	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	1	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	1	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	2	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	2	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	3	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	3	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	4	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	5	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	5	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	6	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	6	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	7	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	7	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	8	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	8	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	10	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	10	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	14	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	14	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	15	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	15	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	16	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	16	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	17	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	17	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	19	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	19	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	20	0.42
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	20	0.42
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	1	0.42
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	1	0.42
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	9	0.42
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	9	0.42
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	4	0.42
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	4	0.42
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD2	8	0.42
(1,416)	1:9:A:ARG:HA	1:9:A:ARG:HD3	8	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	1	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	1	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	2	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	2	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	3	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	3	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	4	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	4	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	5	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	5	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	6	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	7	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	7	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	8	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	8	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	9	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	9	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	10	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	10	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	11	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	11	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	12	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	12	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	13	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	13	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	14	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	14	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	15	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	15	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	16	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	16	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	17	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	17	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	18	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	18	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	19	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	19	0.42
(1,381)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	20	0.42
(1,381)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	20	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	1	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	1	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	2	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	2	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	3	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	3	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	4	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	4	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	5	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	5	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	6	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	6	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	7	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	8	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	8	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	9	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	9	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	10	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	10	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	11	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	11	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	12	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	12	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	13	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	13	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	14	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	14	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	15	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	15	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	16	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	16	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	17	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	17	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	18	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	18	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	19	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	19	0.42
(1,378)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	20	0.42
(1,378)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	20	0.42
(1,375)	1:8:A:PHE:HA	1:8:A:PHE:HZ	15	0.42
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	5	0.42
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	5	0.42
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	9	0.42
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	9	0.42
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	5	0.42
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	5	0.42
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	9	0.42
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	9	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	1	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	1	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	2	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	2	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	3	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	3	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	5	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	6	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	6	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	7	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	7	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	9	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	9	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	10	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	10	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	12	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	12	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	13	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	13	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	14	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	14	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	15	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	15	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	16	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	16	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	17	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	17	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	18	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	18	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	19	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	19	0.42
(1,361)	1:7:A:PHE:HE1	1:14:A:GLN:H	20	0.42
(1,361)	1:7:A:PHE:HE2	1:14:A:GLN:H	20	0.42
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	3	0.42
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	11	0.42
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	12	0.42
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	14	0.42
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	20	0.42
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	4	0.42
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	4	0.42
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	4	0.42
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD11	8	0.42
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD12	8	0.42
(1,349)	1:7:A:PHE:H	1:12:A:ILE:HD13	8	0.42
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	4	0.42
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	4	0.42
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	4	0.42
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	12	0.42
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	4	0.42
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	4	0.42
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	4	0.42
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	8	0.42
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	8	0.42
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	8	0.42
(1,266)	1:6:A:ALA:HB1	1:9:A:ARG:H	9	0.42
(1,266)	1:6:A:ALA:HB2	1:9:A:ARG:H	9	0.42
(1,266)	1:6:A:ALA:HB3	1:9:A:ARG:H	9	0.42
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	2	0.42
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	2	0.42
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	5	0.42
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	5	0.42
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	13	0.42
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	13	0.42
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	14	0.42
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	14	0.42
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	17	0.42
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	17	0.42
(1,236)	1:5:A:SER:HB2	1:8:A:PHE:H	19	0.42
(1,236)	1:5:A:SER:HB3	1:8:A:PHE:H	19	0.42
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	4	0.42
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	8	0.42
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	2	0.42
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	2	0.42
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	13	0.42
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	13	0.42
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	14	0.42
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	14	0.42
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB2	17	0.42
(1,220)	1:5:A:SER:HA	1:7:A:PHE:HB3	17	0.42
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	2	0.42
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	2	0.42
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	2	0.42
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	2	0.42
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	2	0.42
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	2	0.42
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	5	0.42
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	5	0.42
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	5	0.42
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	5	0.42
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	5	0.42
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	13	0.42
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	13	0.42
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	13	0.42
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	13	0.42
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	13	0.42
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	13	0.42
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	14	0.42
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	14	0.42
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	14	0.42
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	14	0.42
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	14	0.42
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	14	0.42
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	19	0.42
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	19	0.42
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	19	0.42
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	19	0.42
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	19	0.42
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	19	0.42
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	2	0.42
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	2	0.42
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	2	0.42
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	2	0.42
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	2	0.42
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	2	0.42
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	5	0.42
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	5	0.42
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	5	0.42
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	5	0.42
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	5	0.42
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	5	0.42
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	13	0.42
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	13	0.42
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	13	0.42
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	13	0.42
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	13	0.42
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	13	0.42
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	14	0.42
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	14	0.42
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	14	0.42
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	14	0.42
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	14	0.42
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	19	0.42
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	19	0.42
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	19	0.42
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	19	0.42
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	19	0.42
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	19	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	1	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	1	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	3	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	3	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	6	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	6	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	7	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	7	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	10	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	10	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	15	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	15	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	16	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	16	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	18	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	18	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	20	0.42
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	20	0.42
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	2	0.42
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	2	0.42
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	2	0.42
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	2	0.42
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	2	0.42
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	2	0.42
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	5	0.42
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	5	0.42
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	5	0.42
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	5	0.42
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	5	0.42
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	5	0.42
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	9	0.42
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	9	0.42
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	9	0.42
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	9	0.42
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	9	0.42
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	13	0.42
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	13	0.42
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	13	0.42
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	13	0.42
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	13	0.42
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	13	0.42
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	14	0.42
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	14	0.42
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	14	0.42
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	14	0.42
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	14	0.42
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	14	0.42
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	19	0.42
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	19	0.42
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	19	0.42
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	19	0.42
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	19	0.42
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	19	0.42
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	2	0.42
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	2	0.42
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	2	0.42
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	2	0.42
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	2	0.42
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	2	0.42
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	5	0.42
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	5	0.42
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	5	0.42
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	5	0.42
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	5	0.42
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	5	0.42
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	9	0.42
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	9	0.42
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	9	0.42
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	9	0.42
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	9	0.42
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	9	0.42
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	13	0.42
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	13	0.42
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	13	0.42
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	13	0.42
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	13	0.42
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	14	0.42
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	14	0.42
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	14	0.42
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	14	0.42
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	14	0.42
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	14	0.42
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	19	0.42
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	19	0.42
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	19	0.42
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	19	0.42
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	19	0.42
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	19	0.42
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	1	0.42
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	1	0.42
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	3	0.42
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	3	0.42
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	5	0.42
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	5	0.42
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	11	0.42
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	11	0.42
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	14	0.42
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	14	0.42
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	15	0.42
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	15	0.42
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	19	0.42
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	19	0.42
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	20	0.42
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	20	0.42
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	3	0.42
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	3	0.42
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	3	0.42
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	3	0.42
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	3	0.42
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	3	0.42
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	12	0.42
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	12	0.42
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	12	0.42
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	12	0.42
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	12	0.42
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	19	0.42
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	19	0.42
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	2	0.42
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	13	0.42
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	14	0.42
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	17	0.42
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	5	0.42
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	5	0.42
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	14	0.42
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	14	0.42
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	19	0.42
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	19	0.42
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	5	0.42
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	5	0.42
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	14	0.42
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	14	0.42
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	19	0.42
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	19	0.42
(1,103)	1:3:A:ARG:HA	1:5:A:SER:HA	5	0.42
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	4	0.42
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	8	0.42
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	13	0.42
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	2	0.42
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	2	0.42
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	12	0.42
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	12	0.42
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	17	0.42
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	17	0.42
(1,37)	1:2:A:MET:HG2	1:4:A:LEU:H	17	0.42
(1,37)	1:2:A:MET:HG3	1:4:A:LEU:H	17	0.42
(1,34)	1:2:A:MET:HG2	1:4:A:LEU:H	17	0.42
(1,34)	1:2:A:MET:HG3	1:4:A:LEU:H	17	0.42
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	5	0.42
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	5	0.42
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	19	0.42
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	19	0.42
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	1	0.42
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	1	0.42
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	1	0.42
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	1	0.42
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	6	0.42
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	11	0.42
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	11	0.42
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	12	0.42
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	12	0.42
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	15	0.42
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	15	0.42
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	2	0.42
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	2	0.42
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	2	0.42
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	2	0.42
(2,32)	1:12:A:ILE:HG22	1:13:A:LEU:HG	15	0.41
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	1	0.41
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	1	0.41
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	1	0.41
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	1	0.41
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	19	0.41
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	19	0.41
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	19	0.41
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	19	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	1	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	2	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	3	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	5	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	6	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	7	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	9	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	10	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	12	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	13	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	14	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	16	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	17	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	18	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	19	0.41
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	20	0.41
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	1	0.41
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	1	0.41
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	5	0.41
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	5	0.41
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	7	0.41
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	7	0.41
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	15	0.41
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	19	0.41
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	19	0.41
(1,705)	1:15:A:ARG:HA	1:16:A:LYS:HA	11	0.41
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	11	0.41
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	11	0.41
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	11	0.41
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	11	0.41
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	4	0.41
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	4	0.41
(1,531)	1:11:A:PHE:HE1	1:11:A:PHE:H	8	0.41
(1,531)	1:11:A:PHE:HE2	1:11:A:PHE:H	8	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	1	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	1	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	1	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	1	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	1	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	1	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	1	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	1	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	1	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	1	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	1	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	1	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	2	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	2	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	2	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	2	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	2	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	2	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	2	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	2	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	2	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	2	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	2	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	2	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	3	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	3	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	3	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	3	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	3	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	3	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	3	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	3	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	3	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	3	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	3	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	6	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	6	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	6	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	6	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	6	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	6	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	6	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	6	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	6	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	6	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	6	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	6	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	7	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	7	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	7	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	7	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	7	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	7	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	7	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	7	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	7	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	7	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	7	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	7	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	9	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	9	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	9	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	9	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	9	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	9	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	9	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	9	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	9	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	9	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	9	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	10	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	10	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	10	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	10	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	10	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	10	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	10	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	10	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	10	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	10	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	10	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	10	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	11	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	11	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	11	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	11	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	11	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	11	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	11	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	11	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	11	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	11	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	11	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	11	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	12	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	12	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	12	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	12	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	12	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	12	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	12	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	12	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	12	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	12	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	12	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	12	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	13	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	13	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	13	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	13	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	13	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	13	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	13	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	13	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	13	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	13	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	13	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	16	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	16	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	16	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	16	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	16	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	16	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	16	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	16	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	16	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	16	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	16	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	16	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	17	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	17	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	17	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	17	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	17	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	17	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	17	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	17	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	17	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	17	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	17	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	17	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	18	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	18	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	18	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	18	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	18	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	18	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	18	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	18	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	18	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	18	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	18	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	19	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	19	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	19	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	19	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	19	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	19	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	19	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	19	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	19	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	19	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	19	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	19	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	20	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	20	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	20	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	20	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	20	0.41
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	20	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	20	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	20	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	20	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	20	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	20	0.41
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	20	0.41
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	4	0.41
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	4	0.41
(1,497)	1:10:A:ASP:HB2	1:12:A:ILE:HB	8	0.41
(1,497)	1:10:A:ASP:HB3	1:12:A:ILE:HB	8	0.41
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	4	0.41
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	4	0.41
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	9	0.41
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	9	0.41
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	11	0.41
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	11	0.41
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	12	0.41
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	12	0.41
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	13	0.41
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	13	0.41
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB2	18	0.41
(1,446)	1:9:A:ARG:HA	1:11:A:PHE:HB3	18	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	2	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	3	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	3	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	4	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	4	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	5	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	5	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	6	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	6	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	7	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	7	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	8	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	8	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	10	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	10	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	11	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	11	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	12	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	12	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	13	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	13	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	14	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	14	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	15	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	15	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	16	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	16	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	17	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	17	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	18	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	18	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	19	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	19	0.41
(1,434)	1:9:A:ARG:HB2	1:10:A:ASP:H	20	0.41
(1,434)	1:9:A:ARG:HB3	1:10:A:ASP:H	20	0.41
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	1	0.41
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	1	0.41
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	6	0.41
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	6	0.41
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	12	0.41
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	12	0.41
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	16	0.41
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	20	0.41
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	20	0.41
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	15	0.41
(1,370)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	15	0.41
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG2	15	0.41
(1,369)	1:7:A:PHE:HZ	1:15:A:ARG:HG3	15	0.41
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	9	0.41
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	9	0.41
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	9	0.41
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	9	0.41
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	10	0.41
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	10	0.41
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	10	0.41
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	10	0.41
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	1	0.41
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	2	0.41
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	5	0.41
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	6	0.41
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	7	0.41
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	9	0.41
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	10	0.41
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	13	0.41
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	15	0.41
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	16	0.41
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	17	0.41
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	18	0.41
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	19	0.41
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	4	0.41
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	4	0.41
(1,342)	1:7:A:PHE:HB2	1:12:A:ILE:HB	8	0.41
(1,342)	1:7:A:PHE:HB3	1:12:A:ILE:HB	8	0.41
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	4	0.41
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	4	0.41
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	8	0.41
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	8	0.41
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	4	0.41
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	4	0.41
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	8	0.41
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	8	0.41
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	8	0.41
(1,323)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	8	0.41
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	1	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	2	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	3	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	5	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	6	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	7	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	9	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	10	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	11	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	13	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	14	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	15	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	16	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	17	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	18	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	19	0.41
(1,308)	1:7:A:PHE:HZ	1:8:A:PHE:H	20	0.41
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	4	0.41
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	4	0.41
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	4	0.41
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	4	0.41
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	4	0.41
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	4	0.41
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	4	0.41
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	4	0.41
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	4	0.41
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	8	0.41
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	8	0.41
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	8	0.41
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	8	0.41
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	8	0.41
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	8	0.41
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	11	0.41
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	11	0.41
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	11	0.41
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	11	0.41
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	11	0.41
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	11	0.41
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	14	0.41
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	14	0.41
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	14	0.41
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	14	0.41
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	14	0.41
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	15	0.41
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	15	0.41
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	15	0.41
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	15	0.41
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	15	0.41
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	15	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	1	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	1	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	1	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	1	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	1	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	1	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	2	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	2	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	2	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	2	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	2	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	2	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	5	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	5	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	5	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	5	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	5	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	5	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	10	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	10	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	10	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	10	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	10	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	10	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	11	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	11	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	11	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	11	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	11	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	11	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	12	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	12	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	12	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	12	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	12	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	13	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	13	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	13	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	13	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	13	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	13	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	14	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	14	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	14	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	14	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	14	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	14	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	15	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	15	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	15	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	15	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	15	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	15	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	17	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	17	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	17	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	17	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	17	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	17	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	19	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	19	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	19	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	19	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	19	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	19	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	20	0.41
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	20	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	20	0.41
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	20	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	20	0.41
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	20	0.41
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	9	0.41
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	4	0.41
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	4	0.41
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	8	0.41
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	11	0.41
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	11	0.41
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	12	0.41
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	12	0.41
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	1	0.41
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	1	0.41
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	1	0.41
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	1	0.41
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	1	0.41
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	1	0.41
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	3	0.41
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	3	0.41
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	3	0.41
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	3	0.41
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	3	0.41
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	3	0.41
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	4	0.41
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	4	0.41
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	4	0.41
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	4	0.41
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	4	0.41
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	4	0.41
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	6	0.41
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	6	0.41
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	6	0.41
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	6	0.41
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	6	0.41
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	6	0.41
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	7	0.41
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	7	0.41
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	7	0.41
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	7	0.41
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	7	0.41
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	7	0.41
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	8	0.41
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	8	0.41
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	8	0.41
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	8	0.41
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	8	0.41
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	8	0.41
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	10	0.41
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	10	0.41
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	10	0.41
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	10	0.41
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	10	0.41
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	11	0.41
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	11	0.41
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	11	0.41
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	11	0.41
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	11	0.41
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	11	0.41
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	12	0.41
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	12	0.41
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	12	0.41
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	12	0.41
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	12	0.41
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	12	0.41
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	15	0.41
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	15	0.41
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	15	0.41
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	15	0.41
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	15	0.41
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	15	0.41
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	16	0.41
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	16	0.41
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	16	0.41
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	16	0.41
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	16	0.41
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	16	0.41
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	17	0.41
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	17	0.41
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	17	0.41
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	17	0.41
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	17	0.41
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	17	0.41
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	18	0.41
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	18	0.41
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	18	0.41
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	18	0.41
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	18	0.41
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	18	0.41
(1,181)	1:4:A:LEU:HD11	1:7:A:PHE:H	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:4:A:LEU:HD12	1:7:A:PHE:H	20	0.41
(1,181)	1:4:A:LEU:HD13	1:7:A:PHE:H	20	0.41
(1,181)	1:4:A:LEU:HD21	1:7:A:PHE:H	20	0.41
(1,181)	1:4:A:LEU:HD22	1:7:A:PHE:H	20	0.41
(1,181)	1:4:A:LEU:HD23	1:7:A:PHE:H	20	0.41
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	1	0.41
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	1	0.41
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	1	0.41
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	1	0.41
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	1	0.41
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	1	0.41
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	3	0.41
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	3	0.41
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	3	0.41
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	3	0.41
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	3	0.41
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	3	0.41
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	4	0.41
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	4	0.41
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	4	0.41
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	4	0.41
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	4	0.41
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	4	0.41
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	6	0.41
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	6	0.41
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	6	0.41
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	6	0.41
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	6	0.41
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	6	0.41
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	7	0.41
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	7	0.41
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	7	0.41
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	7	0.41
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	7	0.41
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	7	0.41
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	8	0.41
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	8	0.41
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	8	0.41
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	8	0.41
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	8	0.41
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	8	0.41
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	10	0.41
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	10	0.41
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	10	0.41
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	10	0.41
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	10	0.41
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	11	0.41
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	11	0.41
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	11	0.41
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	11	0.41
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	11	0.41
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	11	0.41
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	12	0.41
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	12	0.41
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	12	0.41
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	12	0.41
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	12	0.41
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	12	0.41
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	15	0.41
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	15	0.41
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	15	0.41
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	15	0.41
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	15	0.41
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	15	0.41
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	16	0.41
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	16	0.41
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	16	0.41
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	16	0.41
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	16	0.41
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	16	0.41
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	17	0.41
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	17	0.41
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	17	0.41
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	17	0.41
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	17	0.41
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	17	0.41
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	18	0.41
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	18	0.41
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	18	0.41
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	18	0.41
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	18	0.41
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	18	0.41
(1,176)	1:4:A:LEU:HD11	1:7:A:PHE:H	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:4:A:LEU:HD12	1:7:A:PHE:H	20	0.41
(1,176)	1:4:A:LEU:HD13	1:7:A:PHE:H	20	0.41
(1,176)	1:4:A:LEU:HD21	1:7:A:PHE:H	20	0.41
(1,176)	1:4:A:LEU:HD22	1:7:A:PHE:H	20	0.41
(1,176)	1:4:A:LEU:HD23	1:7:A:PHE:H	20	0.41
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	2	0.41
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	2	0.41
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	6	0.41
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	6	0.41
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	7	0.41
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	7	0.41
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	8	0.41
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	8	0.41
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	12	0.41
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	12	0.41
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	5	0.41
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	5	0.41
(1,111)	1:3:A:ARG:HG2	1:5:A:SER:H	14	0.41
(1,111)	1:3:A:ARG:HG3	1:5:A:SER:H	14	0.41
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	5	0.41
(1,106)	1:3:A:ARG:HA	1:5:A:SER:H	9	0.41
(1,68)	1:3:A:ARG:HA	1:3:A:ARG:HE	10	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	1	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	1	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	4	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	4	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	6	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	6	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	7	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	7	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	8	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	8	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	10	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	10	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	13	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	13	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	16	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	16	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD2	18	0.41
(1,67)	1:3:A:ARG:HA	1:3:A:ARG:HD3	18	0.41
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	2	0.41
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	13	0.41
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	13	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	3	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	3	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	3	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	3	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	4	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	4	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	4	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	4	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	6	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	6	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	6	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	6	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	7	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	7	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	7	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	7	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	8	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	8	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	8	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	8	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	10	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	10	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	10	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	10	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	12	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	12	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	12	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	12	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	15	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	15	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	15	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	15	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	16	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	16	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	16	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	16	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	20	0.41
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	20	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	20	0.41
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	3	0.41
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	3	0.41
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	4	0.41
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	4	0.41
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	7	0.41
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	7	0.41
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	8	0.41
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	8	0.41
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	10	0.41
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	10	0.41
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	16	0.41
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	16	0.41
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	18	0.41
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	18	0.41
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:HA	20	0.41
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:HA	20	0.41
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG2	12	0.4
(1,740)	1:16:A:LYS:HE2	1:17:A:LYS:HG3	12	0.4
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG2	12	0.4
(1,740)	1:16:A:LYS:HE3	1:17:A:LYS:HG3	12	0.4
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	11	0.4
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	11	0.4
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	4	0.4
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	4	0.4
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	8	0.4
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	8	0.4
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB2	12	0.4
(1,717)	1:15:A:ARG:H	1:16:A:LYS:HB3	12	0.4
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	15	0.4
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	15	0.4
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	15	0.4
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	15	0.4
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	15	0.4
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	15	0.4
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	15	0.4
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	15	0.4
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	15	0.4
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	15	0.4
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	15	0.4
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	15	0.4
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	15	0.4
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	15	0.4
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	15	0.4
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	15	0.4
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	15	0.4
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	15	0.4
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	15	0.4
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	15	0.4
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	15	0.4
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	15	0.4
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	15	0.4
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	15	0.4
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	15	0.4
(1,630)	1:13:A:LEU:HB2	1:14:A:GLN:HG2	4	0.4
(1,630)	1:13:A:LEU:HB2	1:14:A:GLN:HG3	4	0.4
(1,630)	1:13:A:LEU:HB3	1:14:A:GLN:HG2	4	0.4
(1,630)	1:13:A:LEU:HB3	1:14:A:GLN:HG3	4	0.4
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	1	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	1	0.4
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	1	0.4
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	2	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	2	0.4
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	2	0.4
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	3	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	3	0.4
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	3	0.4
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	5	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	5	0.4
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	5	0.4
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	6	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	6	0.4
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	6	0.4
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	7	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	7	0.4
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	7	0.4
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	9	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	9	0.4
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	9	0.4
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	10	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	10	0.4
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	10	0.4
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	12	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	12	0.4
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	13	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	13	0.4
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	13	0.4
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	14	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	14	0.4
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	14	0.4
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	16	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	16	0.4
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	16	0.4
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	17	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	17	0.4
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	17	0.4
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	18	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	18	0.4
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	18	0.4
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	19	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	19	0.4
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	19	0.4
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	20	0.4
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	20	0.4
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	20	0.4
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	11	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	1	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	2	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	3	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	5	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	6	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	7	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	9	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	10	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	11	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	12	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	13	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	14	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	16	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	17	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	18	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	19	0.4
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	20	0.4
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	4	0.4
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	4	0.4
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	4	0.4
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	4	0.4
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	4	0.4
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	8	0.4
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	8	0.4
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	8	0.4
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	8	0.4
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	8	0.4
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	8	0.4
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	9	0.4
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	9	0.4
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	9	0.4
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	9	0.4
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	9	0.4
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	9	0.4
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	8	0.4
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	8	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	2	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	2	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	3	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	3	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	4	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	4	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	5	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	5	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	7	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	7	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	8	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	8	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	9	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	9	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	10	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	10	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	11	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	11	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	13	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	13	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	14	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	14	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	15	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	17	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	17	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	18	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	18	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	19	0.4
(1,405)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	19	0.4
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	1	0.4
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	1	0.4
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	1	0.4
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	1	0.4
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	12	0.4
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	12	0.4
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	12	0.4
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	12	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	1	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	1	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	2	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	2	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	3	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	3	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	4	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	4	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	5	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	5	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	6	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	6	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	7	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	7	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	8	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	8	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	9	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	9	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	10	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	10	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	11	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	11	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	12	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	12	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	13	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	13	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	14	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	15	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	15	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	16	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	16	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	17	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	17	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	18	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	18	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	19	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	19	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB2	20	0.4
(1,395)	1:8:A:PHE:HA	1:11:A:PHE:HB3	20	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	1	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	1	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	2	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	2	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	3	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	3	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	4	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	4	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	5	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	5	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	6	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	6	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	7	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	7	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	8	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	8	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	9	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	9	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	10	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	10	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	11	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	11	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	12	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	12	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	13	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	13	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	14	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	14	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	15	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	16	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	16	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	17	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	17	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	18	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	18	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	19	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	19	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB2	20	0.4
(1,394)	1:8:A:PHE:HA	1:11:A:PHE:HB3	20	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	1	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	1	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	1	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	1	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	2	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	2	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	2	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	2	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	3	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	3	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	3	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	3	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	6	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	6	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	6	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	6	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	7	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	7	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	7	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	7	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	11	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	11	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	11	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	11	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	12	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	12	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	12	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	12	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	13	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	13	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	13	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	14	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	14	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	14	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	14	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	16	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	16	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	16	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	16	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	17	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	17	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	17	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	17	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	18	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	18	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	18	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	18	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	19	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	19	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	19	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	19	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	20	0.4
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	20	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	20	0.4
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	20	0.4
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	4	0.4
(1,351)	1:7:A:PHE:HZ	1:12:A:ILE:HB	8	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	2	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	2	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	3	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	3	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	7	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	7	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	9	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	9	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	10	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	10	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	13	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	13	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	14	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	14	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	15	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	18	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	18	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	20	0.4
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	20	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	2	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	2	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	3	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	3	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	7	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	7	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	9	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	9	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	10	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	10	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	11	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	11	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	13	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	13	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	15	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	15	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	16	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	16	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	17	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	17	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	18	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	18	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	19	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	19	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	20	0.4
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	20	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	2	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	2	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	3	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	3	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	7	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	7	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	9	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	9	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	10	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	10	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	11	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	13	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	13	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	15	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	15	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	16	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	16	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	17	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	17	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	18	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	18	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	19	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	19	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	20	0.4
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	20	0.4
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	2	0.4
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	3	0.4
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	5	0.4
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	6	0.4
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	7	0.4
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	9	0.4
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	10	0.4
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	11	0.4
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	12	0.4
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	13	0.4
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	14	0.4
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	15	0.4
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	16	0.4
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	18	0.4
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	20	0.4
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	1	0.4
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	1	0.4
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	1	0.4
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	3	0.4
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	3	0.4
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	3	0.4
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	6	0.4
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	6	0.4
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	6	0.4
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	7	0.4
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	7	0.4
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	7	0.4
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	8	0.4
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	8	0.4
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	10	0.4
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	10	0.4
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	10	0.4
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	11	0.4
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	11	0.4
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	11	0.4
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	12	0.4
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	12	0.4
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	12	0.4
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	16	0.4
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	16	0.4
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	16	0.4
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	18	0.4
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	18	0.4
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	18	0.4
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	20	0.4
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	20	0.4
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	20	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	1	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	1	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	1	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	1	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	1	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	1	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	2	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	2	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	2	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	2	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	2	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	2	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	3	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	3	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	3	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	3	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	3	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	3	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	5	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	5	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	5	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	5	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	5	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	6	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	6	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	6	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	6	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	6	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	6	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	7	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	7	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	7	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	7	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	7	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	7	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	9	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	9	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	9	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	9	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	9	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	9	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	10	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	10	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	10	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	10	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	10	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	10	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	12	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	12	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	12	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	12	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	12	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	12	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	13	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	13	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	13	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	13	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	13	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	13	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	16	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	16	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	16	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	16	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	16	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	16	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	17	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	17	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	17	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	17	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	17	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	17	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	18	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	18	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	18	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	18	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	18	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	18	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	19	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	19	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	19	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	19	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	19	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	19	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD1	20	0.4
(1,254)	1:6:A:ALA:HB1	1:8:A:PHE:HD2	20	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD1	20	0.4
(1,254)	1:6:A:ALA:HB2	1:8:A:PHE:HD2	20	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD1	20	0.4
(1,254)	1:6:A:ALA:HB3	1:8:A:PHE:HD2	20	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	3	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	3	0.4
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	3	0.4
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	3	0.4
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	3	0.4
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	3	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	4	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	4	0.4
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	4	0.4
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	4	0.4
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	4	0.4
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	4	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	6	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	6	0.4
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	6	0.4
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	6	0.4
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	6	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	7	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	7	0.4
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	7	0.4
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	7	0.4
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	7	0.4
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	7	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	8	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	8	0.4
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	8	0.4
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	8	0.4
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	8	0.4
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	8	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	9	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	9	0.4
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	9	0.4
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	9	0.4
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	9	0.4
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	9	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	16	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	16	0.4
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	16	0.4
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	16	0.4
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	16	0.4
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	16	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB2	18	0.4
(1,253)	1:6:A:ALA:HB1	1:8:A:PHE:HB3	18	0.4
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB2	18	0.4
(1,253)	1:6:A:ALA:HB2	1:8:A:PHE:HB3	18	0.4
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB2	18	0.4
(1,253)	1:6:A:ALA:HB3	1:8:A:PHE:HB3	18	0.4
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	1	0.4
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	2	0.4
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	3	0.4
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	5	0.4
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	6	0.4
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	7	0.4
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	10	0.4
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	11	0.4
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	12	0.4
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	14	0.4
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	15	0.4
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	16	0.4
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	18	0.4
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	19	0.4
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	20	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	1	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	1	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	1	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	1	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	1	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	1	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	3	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	3	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	3	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	3	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	3	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	3	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	4	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	4	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	4	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	4	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	4	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	4	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	6	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	6	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	6	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	6	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	6	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	6	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	7	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	7	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	7	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	7	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	7	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	7	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	8	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	8	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	8	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	8	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	8	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	10	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	10	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	10	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	10	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	10	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	10	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	16	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	16	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	16	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	16	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	16	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	16	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	18	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	18	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	18	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	18	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	18	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	18	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	20	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	20	0.4
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	20	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	20	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	20	0.4
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	20	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	1	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	1	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	1	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	1	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	1	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	1	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	3	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	3	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	3	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	3	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	3	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	3	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	4	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	4	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	4	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	4	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	4	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	6	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	6	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	6	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	6	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	6	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	6	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	7	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	7	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	7	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	7	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	7	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	7	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	8	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	8	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	8	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	8	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	8	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	8	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	10	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	10	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	10	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	10	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	10	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	10	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	16	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	16	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	16	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	16	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	16	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	16	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	18	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	18	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	18	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	18	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	18	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	18	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	20	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	20	0.4
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	20	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	20	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	20	0.4
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	9	0.4
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	1	0.4
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	1	0.4
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	1	0.4
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	1	0.4
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	1	0.4
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	1	0.4
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	1	0.4
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	1	0.4
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	1	0.4
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	1	0.4
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	1	0.4
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	1	0.4
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	2	0.4
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	2	0.4
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	2	0.4
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	2	0.4
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	2	0.4
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	2	0.4
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	2	0.4
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	2	0.4
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	2	0.4
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	2	0.4
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	2	0.4
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	2	0.4
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	5	0.4
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	5	0.4
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	5	0.4
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	5	0.4
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	5	0.4
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	5	0.4
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	5	0.4
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	5	0.4
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	5	0.4
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	5	0.4
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	5	0.4
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	5	0.4
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	12	0.4
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	12	0.4
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	12	0.4
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	12	0.4
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	12	0.4
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	12	0.4
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	12	0.4
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	12	0.4
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	12	0.4
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	12	0.4
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	12	0.4
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	13	0.4
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	13	0.4
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	13	0.4
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	13	0.4
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	13	0.4
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	13	0.4
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	13	0.4
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	13	0.4
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	13	0.4
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	13	0.4
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	13	0.4
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	13	0.4
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	14	0.4
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	14	0.4
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	14	0.4
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	14	0.4
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	14	0.4
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	14	0.4
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	14	0.4
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	14	0.4
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	14	0.4
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	14	0.4
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	14	0.4
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	14	0.4
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	19	0.4
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	19	0.4
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	19	0.4
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	19	0.4
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	19	0.4
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	19	0.4
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	19	0.4
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	19	0.4
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	19	0.4
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	19	0.4
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	19	0.4
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	9	0.4
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	9	0.4
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	9	0.4
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	9	0.4
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	4	0.4
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	4	0.4
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	10	0.4
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	10	0.4
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	13	0.4
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	13	0.4
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	16	0.4
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	16	0.4
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	17	0.4
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	17	0.4
(1,117)	1:3:A:ARG:HG2	1:6:A:ALA:H	18	0.4
(1,117)	1:3:A:ARG:HG3	1:6:A:ALA:H	18	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	1	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	1	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	1	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	1	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	1	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	1	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	4	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	4	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	4	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	4	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	4	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	4	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	6	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	6	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	6	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	6	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	6	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	6	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	7	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	7	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	7	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	7	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	7	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	7	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	8	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	8	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	8	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	8	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	8	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	16	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	16	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	16	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	16	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	16	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	16	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	18	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	18	0.4
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	18	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	18	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	18	0.4
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	18	0.4
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	2	0.4
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	5	0.4
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	19	0.4
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	11	0.4
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	11	0.4
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	11	0.4
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	11	0.4
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB2	18	0.4
(1,24)	1:2:A:MET:HB2	1:4:A:LEU:HB3	18	0.4
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB2	18	0.4
(1,24)	1:2:A:MET:HB3	1:4:A:LEU:HB3	18	0.4
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	17	0.4
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	17	0.4
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	19	0.4
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	19	0.4
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	17	0.4
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	17	0.4
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	19	0.4
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	19	0.4
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	1	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	2	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	3	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	5	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	6	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	9	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	10	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	11	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	13	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	14	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	15	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	16	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	17	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	18	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	19	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	20	0.39
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	4	0.39
(2,25)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	8	0.39
(1,734)	1:16:A:LYS:HA	1:17:A:LYS:HA	11	0.39
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	4	0.39
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	4	0.39
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	4	0.39
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	8	0.39
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	11	0.39
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	11	0.39
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	11	0.39
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	11	0.39
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	11	0.39
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	11	0.39
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	11	0.39
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	11	0.39
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	11	0.39
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	11	0.39
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	11	0.39
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	11	0.39
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	11	0.39
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	11	0.39
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	11	0.39
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	11	0.39
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	11	0.39
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	11	0.39
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	11	0.39
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	11	0.39
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	11	0.39
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	11	0.39
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	11	0.39
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:13:A:LEU:HB2	1:14:A:GLN:HG2	8	0.39
(1,630)	1:13:A:LEU:HB2	1:14:A:GLN:HG3	8	0.39
(1,630)	1:13:A:LEU:HB3	1:14:A:GLN:HG2	8	0.39
(1,630)	1:13:A:LEU:HB3	1:14:A:GLN:HG3	8	0.39
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	4	0.39
(1,627)	1:13:A:LEU:HG	1:13:A:LEU:H	8	0.39
(1,592)	1:12:A:ILE:HD11	1:13:A:LEU:H	15	0.39
(1,592)	1:12:A:ILE:HD12	1:13:A:LEU:H	15	0.39
(1,592)	1:12:A:ILE:HD13	1:13:A:LEU:H	15	0.39
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	15	0.39
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	15	0.39
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	11	0.39
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	11	0.39
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	4	0.39
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	4	0.39
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	8	0.39
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	8	0.39
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	15	0.39
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	15	0.39
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	15	0.39
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	15	0.39
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	15	0.39
(1,510)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	15	0.39
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	15	0.39
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	15	0.39
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	15	0.39
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	15	0.39
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	15	0.39
(1,510)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	15	0.39
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	8	0.39
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	8	0.39
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	8	0.39
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	4	0.39
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	4	0.39
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	4	0.39
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	4	0.39
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	8	0.39
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	8	0.39
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	8	0.39
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	8	0.39
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	12	0.39
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	12	0.39
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	12	0.39
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	19	0.39
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	19	0.39
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	19	0.39
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	19	0.39
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	4	0.39
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	4	0.39
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	4	0.39
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	4	0.39
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	8	0.39
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	8	0.39
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	8	0.39
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	8	0.39
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	12	0.39
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	12	0.39
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	12	0.39
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	12	0.39
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	19	0.39
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	19	0.39
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	19	0.39
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	19	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	1	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	1	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	1	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	1	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	1	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	1	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	2	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	2	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	2	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	2	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	2	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	2	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	3	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	3	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	3	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	3	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	3	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	3	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	5	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	5	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	5	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	5	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	5	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	6	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	6	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	6	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	6	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	6	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	6	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	7	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	7	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	7	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	7	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	7	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	7	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	10	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	10	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	10	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	10	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	10	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	10	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	13	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	13	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	13	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	13	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	13	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	13	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	14	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	14	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	14	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	14	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	14	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	14	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	17	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	17	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	17	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	17	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	17	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	17	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	18	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	18	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	18	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	18	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	18	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	19	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	19	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	19	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	19	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	19	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	19	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	20	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	20	0.39
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	20	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	20	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	20	0.39
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	20	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	2	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	2	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	2	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	2	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	3	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	3	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	3	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	3	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	4	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	4	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	4	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	4	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	5	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	5	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	5	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	5	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	6	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	6	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	6	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	6	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	7	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	7	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	7	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	7	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	8	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	8	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	8	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	9	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	9	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	9	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	9	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	10	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	10	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	10	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	10	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	11	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	11	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	11	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	11	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	13	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	13	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	13	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	13	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	14	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	14	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	14	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	14	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	16	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	16	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	16	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	16	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	17	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	17	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	17	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	17	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	18	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	18	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	18	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	18	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	19	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	19	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	19	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	19	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	20	0.39
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	20	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	20	0.39
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	20	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	1	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	1	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	2	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	2	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	3	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	3	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	4	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	4	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	5	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	5	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	6	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	6	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	7	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	7	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	8	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	8	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	9	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	9	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	10	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	10	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	11	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	11	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	12	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	12	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	13	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	13	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	14	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	14	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	15	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	15	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	16	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	16	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	17	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	17	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	18	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	18	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	19	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	19	0.39
(1,383)	1:8:A:PHE:HD1	1:8:A:PHE:HZ	20	0.39
(1,383)	1:8:A:PHE:HD2	1:8:A:PHE:HZ	20	0.39
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	4	0.39
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	4	0.39
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	4	0.39
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	8	0.39
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	8	0.39
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	8	0.39
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	8	0.39
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	5	0.39
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	5	0.39
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	5	0.39
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	5	0.39
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG2	15	0.39
(1,362)	1:7:A:PHE:HD1	1:15:A:ARG:HG3	15	0.39
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG2	15	0.39
(1,362)	1:7:A:PHE:HD2	1:15:A:ARG:HG3	15	0.39
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	4	0.39
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	8	0.39
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	1	0.39
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	1	0.39
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	5	0.39
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	5	0.39
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	6	0.39
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	6	0.39
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	11	0.39
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	11	0.39
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	12	0.39
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	12	0.39
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	16	0.39
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	16	0.39
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	17	0.39
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	17	0.39
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB2	19	0.39
(1,334)	1:7:A:PHE:H	1:11:A:PHE:HB3	19	0.39
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	1	0.39
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	1	0.39
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	5	0.39
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	5	0.39
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	6	0.39
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	6	0.39
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	12	0.39
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	12	0.39
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB2	14	0.39
(1,326)	1:7:A:PHE:HA	1:11:A:PHE:HB3	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	1	0.39
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	1	0.39
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	5	0.39
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	5	0.39
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	6	0.39
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	6	0.39
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	12	0.39
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	12	0.39
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB2	14	0.39
(1,325)	1:7:A:PHE:HA	1:11:A:PHE:HB3	14	0.39
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	17	0.39
(1,310)	1:7:A:PHE:HA	1:9:A:ARG:HA	19	0.39
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	2	0.39
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	2	0.39
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	2	0.39
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	5	0.39
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	5	0.39
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	5	0.39
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	13	0.39
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	13	0.39
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	13	0.39
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	15	0.39
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	15	0.39
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	15	0.39
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	17	0.39
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	17	0.39
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	17	0.39
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	19	0.39
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	19	0.39
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	19	0.39
(1,223)	1:5:A:SER:HA	1:7:A:PHE:HZ	17	0.39
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	11	0.39
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	11	0.39
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	11	0.39
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	11	0.39
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	11	0.39
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	11	0.39
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	12	0.39
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	12	0.39
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	12	0.39
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	12	0.39
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	12	0.39
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	15	0.39
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	15	0.39
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	15	0.39
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	15	0.39
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	15	0.39
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	15	0.39
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	11	0.39
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	11	0.39
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	11	0.39
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	11	0.39
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	11	0.39
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	11	0.39
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	12	0.39
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	12	0.39
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	12	0.39
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	12	0.39
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	12	0.39
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	12	0.39
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	15	0.39
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	15	0.39
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	15	0.39
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	15	0.39
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	15	0.39
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	15	0.39
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	1	0.39
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	3	0.39
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	4	0.39
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	6	0.39
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	7	0.39
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	8	0.39
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	10	0.39
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	15	0.39
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	16	0.39
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	18	0.39
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	20	0.39
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	17	0.39
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	17	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	3	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	3	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	3	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	3	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	3	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	3	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	3	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	3	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	3	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	3	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	3	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	4	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	4	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	4	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	4	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	4	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	4	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	4	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	4	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	4	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	4	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	4	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	4	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	6	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	6	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	6	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	6	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	6	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	6	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	6	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	6	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	6	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	6	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	6	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	6	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	7	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	7	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	7	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	7	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	7	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	7	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	7	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	7	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	7	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	7	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	7	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	8	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	8	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	8	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	8	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	8	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	8	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	8	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	8	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	8	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	8	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	8	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	8	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	10	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	10	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	10	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	10	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	10	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	10	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	10	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	10	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	10	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	10	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	10	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	10	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	11	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	11	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	11	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	11	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	11	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	11	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	11	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	11	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	11	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	11	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	11	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	11	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	15	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	15	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	15	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	15	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	15	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	15	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	15	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	15	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	15	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	15	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	15	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	16	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	16	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	16	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	16	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	16	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	16	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	16	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	16	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	16	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	16	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	16	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	16	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	17	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	17	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	17	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	17	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	17	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	17	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	17	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	17	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	17	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	17	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	17	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	17	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	18	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	18	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	18	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	18	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	18	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	18	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	18	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	18	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	18	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	18	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	18	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	20	0.39
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	20	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	20	0.39
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	20	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	20	0.39
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	20	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	20	0.39
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	20	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	20	0.39
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	20	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	20	0.39
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	20	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	1	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	1	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	1	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	1	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	2	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	2	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	2	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	2	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	3	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	3	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	3	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	3	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	4	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	4	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	4	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	4	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	5	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	5	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	5	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	5	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	6	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	6	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	6	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	6	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	7	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	7	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	7	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	8	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	8	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	8	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	8	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	10	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	10	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	10	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	10	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	11	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	11	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	11	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	11	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	12	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	12	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	12	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	12	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	13	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	13	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	13	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	13	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	14	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	14	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	14	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	14	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	15	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	15	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	15	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	15	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	16	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	16	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	16	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	16	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	17	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	17	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	17	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	17	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	18	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	18	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	18	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	18	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	19	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	19	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	19	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB2	20	0.39
(1,142)	1:4:A:LEU:HB2	1:5:A:SER:HB3	20	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB2	20	0.39
(1,142)	1:4:A:LEU:HB3	1:5:A:SER:HB3	20	0.39
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB1	10	0.39
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB2	10	0.39
(1,116)	1:3:A:ARG:HD2	1:6:A:ALA:HB3	10	0.39
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB1	10	0.39
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB2	10	0.39
(1,116)	1:3:A:ARG:HD3	1:6:A:ALA:HB3	10	0.39
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB2	9	0.39
(1,105)	1:3:A:ARG:HA	1:5:A:SER:HB3	9	0.39
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB2	9	0.39
(1,104)	1:3:A:ARG:HA	1:5:A:SER:HB3	9	0.39
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	9	0.39
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	4	0.39
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	6	0.39
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	8	0.39
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	10	0.39
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	11	0.39
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	12	0.39
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	13	0.39
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	14	0.39
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	15	0.39
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	17	0.39
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	1	0.39
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	1	0.39
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	8	0.39
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	8	0.39
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	11	0.39
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	11	0.39
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	12	0.39
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	12	0.39
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	15	0.39
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	15	0.39
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	17	0.39
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	17	0.39
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	8	0.39
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	8	0.39
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	16	0.39
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	8	0.39
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	8	0.39
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	16	0.39
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	16	0.39
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	12	0.38
(2,32)	1:12:A:ILE:HG23	1:13:A:LEU:HG	11	0.38
(1,739)	1:16:A:LYS:HE2	1:17:A:LYS:HA	11	0.38
(1,739)	1:16:A:LYS:HE3	1:17:A:LYS:HA	11	0.38
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	8	0.38
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	8	0.38
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	4	0.38
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	4	0.38
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	8	0.38
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	8	0.38
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	9	0.38
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	9	0.38
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	9	0.38
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	9	0.38
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	9	0.38
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	9	0.38
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	9	0.38
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	9	0.38
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	9	0.38
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	9	0.38
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	9	0.38
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	9	0.38
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	12	0.38
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	12	0.38
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	12	0.38
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	12	0.38
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	12	0.38
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	12	0.38
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	12	0.38
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	12	0.38
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	12	0.38
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	12	0.38
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	12	0.38
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	12	0.38
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	13	0.38
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	13	0.38
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	13	0.38
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	13	0.38
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	13	0.38
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	13	0.38
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	13	0.38
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	13	0.38
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	13	0.38
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	13	0.38
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	13	0.38
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	14	0.38
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	14	0.38
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	14	0.38
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	14	0.38
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	14	0.38
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	14	0.38
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	14	0.38
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	14	0.38
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	14	0.38
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	14	0.38
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	14	0.38
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	14	0.38
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	17	0.38
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	17	0.38
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	17	0.38
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	17	0.38
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	17	0.38
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	17	0.38
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	17	0.38
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	17	0.38
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	17	0.38
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	17	0.38
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	17	0.38
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	17	0.38
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	9	0.38
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	9	0.38
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	9	0.38
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	9	0.38
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	9	0.38
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	9	0.38
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	9	0.38
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	9	0.38
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	9	0.38
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	9	0.38
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	9	0.38
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	12	0.38
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	12	0.38
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	12	0.38
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	12	0.38
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	12	0.38
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	12	0.38
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	12	0.38
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	12	0.38
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	12	0.38
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	12	0.38
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	12	0.38
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	12	0.38
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	13	0.38
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	13	0.38
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	13	0.38
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	13	0.38
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	13	0.38
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	13	0.38
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	13	0.38
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	13	0.38
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	13	0.38
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	13	0.38
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	13	0.38
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	13	0.38
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	14	0.38
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	14	0.38
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	14	0.38
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	14	0.38
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	14	0.38
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	14	0.38
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	14	0.38
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	14	0.38
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	14	0.38
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	14	0.38
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	14	0.38
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	14	0.38
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	17	0.38
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	17	0.38
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	17	0.38
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	17	0.38
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	17	0.38
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	17	0.38
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	17	0.38
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	17	0.38
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	17	0.38
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	17	0.38
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	17	0.38
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	4	0.38
(1,581)	1:12:A:ILE:HA	1:13:A:LEU:HA	8	0.38
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	4	0.38
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	4	0.38
(1,544)	1:11:A:PHE:HE1	1:12:A:ILE:HB	8	0.38
(1,544)	1:11:A:PHE:HE2	1:12:A:ILE:HB	8	0.38
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	1	0.38
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	1	0.38
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	2	0.38
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	2	0.38
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	3	0.38
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	3	0.38
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	6	0.38
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	6	0.38
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	7	0.38
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	7	0.38
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	9	0.38
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	9	0.38
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	10	0.38
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	10	0.38
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	13	0.38
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	13	0.38
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	17	0.38
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	17	0.38
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	18	0.38
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	18	0.38
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	20	0.38
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	20	0.38
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	4	0.38
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	4	0.38
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	4	0.38
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	8	0.38
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	8	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	1	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	1	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	1	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	1	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	2	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	2	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	2	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	2	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	3	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	3	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	3	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	3	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	5	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	5	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	5	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	5	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	6	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	6	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	6	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	6	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	7	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	7	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	7	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	7	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	9	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	9	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	9	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	9	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	10	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	10	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	10	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	10	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	11	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	11	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	11	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	11	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	12	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	12	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	12	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	12	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	13	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	13	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	13	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	14	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	14	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	14	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	14	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	15	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	15	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	15	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	15	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	16	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	16	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	16	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	16	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	17	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	17	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	17	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	17	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	18	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	18	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	18	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	18	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	19	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	19	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	19	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	19	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	20	0.38
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	20	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	20	0.38
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	20	0.38
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	4	0.38
(1,522)	1:10:A:ASP:H	1:14:A:GLN:H	8	0.38
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	4	0.38
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	4	0.38
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	8	0.38
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	8	0.38
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD11	4	0.38
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD12	4	0.38
(1,495)	1:10:A:ASP:HA	1:12:A:ILE:HD13	4	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	1	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	1	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	1	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	2	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	2	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	2	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	2	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	3	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	3	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	3	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	3	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	5	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	5	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	5	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	5	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	6	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	6	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	6	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	6	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	7	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	7	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	7	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	7	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	9	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	9	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	9	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	9	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	10	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	10	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	10	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	10	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	11	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	11	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	11	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	11	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	13	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	13	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	13	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	13	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	14	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	14	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	14	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	16	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	16	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	16	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	16	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	17	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	17	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	17	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	17	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	18	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	18	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	18	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	18	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	20	0.38
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	20	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	20	0.38
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	20	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	1	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	1	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	1	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	1	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	2	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	2	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	2	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	2	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	3	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	3	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	3	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	3	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	5	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	5	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	5	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	5	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	6	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	6	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	6	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	6	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	7	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	7	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	7	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	7	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	9	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	9	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	9	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	10	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	10	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	10	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	10	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	11	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	11	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	11	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	11	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	13	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	13	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	13	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	13	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	14	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	14	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	14	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	14	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	16	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	16	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	16	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	16	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	17	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	17	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	17	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	17	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	18	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	18	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	18	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	18	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	20	0.38
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	20	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	20	0.38
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	20	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	4	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	4	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	4	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	4	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	4	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	4	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	4	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	4	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	4	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	4	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	4	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	8	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	8	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	8	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	8	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	8	0.38
(1,465)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	8	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	8	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	8	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	8	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	8	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	8	0.38
(1,465)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	8	0.38
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	11	0.38
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	11	0.38
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	11	0.38
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	11	0.38
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	11	0.38
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	11	0.38
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	12	0.38
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	12	0.38
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	12	0.38
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	12	0.38
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	12	0.38
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	12	0.38
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	15	0.38
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	15	0.38
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	15	0.38
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	15	0.38
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	15	0.38
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	15	0.38
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD11	16	0.38
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD12	16	0.38
(1,453)	1:9:A:ARG:HD2	1:12:A:ILE:HD13	16	0.38
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD11	16	0.38
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD12	16	0.38
(1,453)	1:9:A:ARG:HD3	1:12:A:ILE:HD13	16	0.38
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	4	0.38
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	13	0.38
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	15	0.38
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	19	0.38
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE1	15	0.38
(1,397)	1:8:A:PHE:HB2	1:11:A:PHE:HE2	15	0.38
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE1	15	0.38
(1,397)	1:8:A:PHE:HB3	1:11:A:PHE:HE2	15	0.38
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	11	0.38
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	9	0.38
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	9	0.38
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	9	0.38
(1,269)	1:6:A:ALA:HB1	1:10:A:ASP:H	14	0.38
(1,269)	1:6:A:ALA:HB2	1:10:A:ASP:H	14	0.38
(1,269)	1:6:A:ALA:HB3	1:10:A:ASP:H	14	0.38
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB1	9	0.38
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB2	9	0.38
(1,216)	1:5:A:SER:HB2	1:6:A:ALA:HB3	9	0.38
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB1	9	0.38
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB2	9	0.38
(1,216)	1:5:A:SER:HB3	1:6:A:ALA:HB3	9	0.38
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB1	9	0.38
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB2	9	0.38
(1,214)	1:5:A:SER:HB2	1:6:A:ALA:HB3	9	0.38
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB1	9	0.38
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB2	9	0.38
(1,214)	1:5:A:SER:HB3	1:6:A:ALA:HB3	9	0.38
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	11	0.38
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	12	0.38
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	17	0.38
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	2	0.38
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	2	0.38
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	9	0.38
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	9	0.38
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	13	0.38
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	13	0.38
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	4	0.38
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	4	0.38
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	4	0.38
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	4	0.38
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	4	0.38
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	4	0.38
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	8	0.38
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	8	0.38
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	8	0.38
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	8	0.38
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	8	0.38
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	9	0.38
(1,178)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	9	0.38
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	9	0.38
(1,178)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	9	0.38
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	9	0.38
(1,178)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	9	0.38
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	9	0.38
(1,178)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	9	0.38
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	9	0.38
(1,178)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	9	0.38
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	9	0.38
(1,178)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	9	0.38
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	4	0.38
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	4	0.38
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	4	0.38
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	4	0.38
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	4	0.38
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	4	0.38
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	8	0.38
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	8	0.38
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	8	0.38
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	8	0.38
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	8	0.38
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	8	0.38
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	1	0.38
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	4	0.38
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	6	0.38
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	7	0.38
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	8	0.38
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	10	0.38
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	16	0.38
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	18	0.38
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	1	0.38
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	3	0.38
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	7	0.38
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	16	0.38
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	20	0.38
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	3	0.38
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	3	0.38
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	4	0.38
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	4	0.38
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	6	0.38
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	6	0.38
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	7	0.38
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	7	0.38
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	10	0.38
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	10	0.38
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	16	0.38
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	16	0.38
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	18	0.38
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	18	0.38
(1,28)	1:2:A:MET:HB2	1:4:A:LEU:HG	20	0.38
(1,28)	1:2:A:MET:HB3	1:4:A:LEU:HG	20	0.38
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	4	0.38
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	4	0.38
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	6	0.38
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	6	0.38
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	7	0.38
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	7	0.38
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	10	0.38
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	10	0.38
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	12	0.38
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	12	0.38
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	4	0.38
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	4	0.38
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	6	0.38
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	6	0.38
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	7	0.38
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	7	0.38
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	10	0.38
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	10	0.38
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	12	0.38
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	12	0.38
(2,32)	1:12:A:ILE:HG22	1:13:A:LEU:HG	1	0.37
(2,32)	1:12:A:ILE:HG22	1:13:A:LEU:HG	2	0.37
(2,32)	1:12:A:ILE:HG21	1:13:A:LEU:HG	5	0.37
(2,32)	1:12:A:ILE:HG22	1:13:A:LEU:HG	10	0.37
(2,32)	1:12:A:ILE:HG22	1:13:A:LEU:HG	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,32)	1:12:A:ILE:HG21	1:13:A:LEU:HG	17	0.37
(2,32)	1:12:A:ILE:HG21	1:13:A:LEU:HG	19	0.37
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE2	11	0.37
(1,723)	1:16:A:LYS:HA	1:16:A:LYS:HE3	11	0.37
(1,715)	1:15:A:ARG:HG2	1:16:A:LYS:H	11	0.37
(1,715)	1:15:A:ARG:HG3	1:16:A:LYS:H	11	0.37
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	11	0.37
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	11	0.37
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	15	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	1	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	1	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	1	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	1	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	1	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	1	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	1	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	1	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	1	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	1	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	1	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	1	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	2	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	2	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	2	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	2	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	2	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	2	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	2	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	2	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	2	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	2	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	2	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	2	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	3	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	3	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	3	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	3	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	3	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	3	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	3	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	3	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	3	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	3	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	3	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	5	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	5	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	5	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	5	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	5	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	5	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	5	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	5	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	5	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	5	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	5	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	5	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	6	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	6	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	6	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	6	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	6	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	6	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	6	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	6	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	6	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	6	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	6	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	6	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	7	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	7	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	7	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	7	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	7	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	7	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	7	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	7	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	7	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	7	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	7	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	7	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	10	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	10	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	10	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	10	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	10	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	10	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	10	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	10	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	10	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	10	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	10	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	16	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	16	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	16	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	16	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	16	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	16	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	16	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	16	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	16	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	16	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	16	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	16	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	18	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	18	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	18	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	18	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	18	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	18	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	18	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	18	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	18	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	18	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	18	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	18	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	19	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	19	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	19	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	19	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	19	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	19	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	19	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	19	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	19	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	19	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	19	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	20	0.37
(1,644)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	20	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	20	0.37
(1,644)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	20	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	20	0.37
(1,644)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	20	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	20	0.37
(1,644)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	20	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	20	0.37
(1,644)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	20	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	20	0.37
(1,644)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	20	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	1	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	1	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	1	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	1	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	1	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	1	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	1	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	1	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	1	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	1	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	1	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	1	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	2	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	2	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	2	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	2	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	2	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	2	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	2	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	2	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	2	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	2	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	2	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	2	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	3	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	3	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	3	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	3	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	3	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	3	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	3	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	3	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	3	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	3	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	3	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	5	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	5	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	5	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	5	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	5	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	5	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	5	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	5	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	5	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	5	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	5	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	5	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	6	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	6	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	6	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	6	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	6	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	6	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	6	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	6	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	6	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	6	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	6	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	6	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	7	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	7	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	7	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	7	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	7	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	7	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	7	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	7	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	7	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	7	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	7	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	10	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	10	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	10	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	10	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	10	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	10	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	10	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	10	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	10	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	10	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	10	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	10	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	16	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	16	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	16	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	16	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	16	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	16	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	16	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	16	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	16	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	16	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	16	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	16	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	18	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	18	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	18	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	18	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	18	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	18	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	18	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	18	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	18	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	18	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	18	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	18	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	19	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	19	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	19	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	19	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	19	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	19	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	19	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	19	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	19	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	19	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	19	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD2	20	0.37
(1,643)	1:13:A:LEU:HD11	1:15:A:ARG:HD3	20	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD2	20	0.37
(1,643)	1:13:A:LEU:HD12	1:15:A:ARG:HD3	20	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD2	20	0.37
(1,643)	1:13:A:LEU:HD13	1:15:A:ARG:HD3	20	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD2	20	0.37
(1,643)	1:13:A:LEU:HD21	1:15:A:ARG:HD3	20	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD2	20	0.37
(1,643)	1:13:A:LEU:HD22	1:15:A:ARG:HD3	20	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD2	20	0.37
(1,643)	1:13:A:LEU:HD23	1:15:A:ARG:HD3	20	0.37
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	5	0.37
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	5	0.37
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	14	0.37
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	14	0.37
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	15	0.37
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	15	0.37
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	16	0.37
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	16	0.37
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	19	0.37
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	19	0.37
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	4	0.37
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	4	0.37
(1,540)	1:11:A:PHE:HB2	1:12:A:ILE:HB	8	0.37
(1,540)	1:11:A:PHE:HB3	1:12:A:ILE:HB	8	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	2	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	2	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	2	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	5	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	5	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	5	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	6	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	6	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	9	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	9	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	9	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	10	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	10	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	10	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	12	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	12	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	12	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	13	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	13	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	13	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	14	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	14	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	14	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	15	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	15	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	15	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	16	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	16	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	16	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	17	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	17	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	17	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	18	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	18	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	18	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	19	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	19	0.37
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	19	0.37
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	4	0.37
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	4	0.37
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	4	0.37
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	4	0.37
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	8	0.37
(1,527)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	8	0.37
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	8	0.37
(1,527)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	8	0.37
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	15	0.37
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	4	0.37
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	8	0.37
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	8	0.37
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	12	0.37
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	12	0.37
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	15	0.37
(1,487)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	15	0.37
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	15	0.37
(1,487)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	15	0.37
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE1	15	0.37
(1,483)	1:10:A:ASP:HB2	1:11:A:PHE:HE2	15	0.37
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE1	15	0.37
(1,483)	1:10:A:ASP:HB3	1:11:A:PHE:HE2	15	0.37
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	4	0.37
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	8	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	1	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	1	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	2	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	2	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	3	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	3	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	5	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	5	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	6	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	6	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	7	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	7	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	9	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	9	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	10	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	10	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	11	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	11	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	12	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	12	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	13	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	13	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	14	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	14	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	15	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	15	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	16	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	17	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	17	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	18	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	18	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	19	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	19	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB2	20	0.37
(1,449)	1:9:A:ARG:H	1:11:A:PHE:HB3	20	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	1	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	1	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	2	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	2	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	3	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	3	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	4	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	4	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	5	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	5	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	6	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	6	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	7	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	7	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	8	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	8	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	9	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	9	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	10	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	10	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	11	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	11	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	12	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	12	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	13	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	13	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	14	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	14	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	15	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	15	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	16	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	16	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	17	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	18	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	18	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	19	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	19	0.37
(1,435)	1:9:A:ARG:HB2	1:10:A:ASP:HA	20	0.37
(1,435)	1:9:A:ARG:HB3	1:10:A:ASP:HA	20	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	1	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	1	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	2	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	2	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	3	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	3	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	4	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	4	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	5	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	5	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	6	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	6	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	7	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	7	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	8	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	8	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	9	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	9	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	10	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	10	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	11	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	11	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	12	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	12	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	13	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	13	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	14	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	14	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	15	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	15	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	16	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	16	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	17	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	17	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	18	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	19	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	19	0.37
(1,433)	1:9:A:ARG:HB2	1:10:A:ASP:HA	20	0.37
(1,433)	1:9:A:ARG:HB3	1:10:A:ASP:HA	20	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	1	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	2	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	3	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	4	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	5	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	6	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	7	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	8	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	9	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	10	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	11	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	12	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	14	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	16	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	17	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	18	0.37
(1,429)	1:9:A:ARG:HA	1:10:A:ASP:HA	20	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	1	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	2	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	3	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	5	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	6	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	7	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	9	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	10	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	11	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	12	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	13	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	14	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	15	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	16	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	17	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	18	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	19	0.37
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	20	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	1	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	1	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	1	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	1	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	1	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	1	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	1	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	1	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	1	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	1	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	1	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	3	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	3	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	3	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	3	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	3	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	3	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	3	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	3	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	3	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	3	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	3	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	3	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	6	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	6	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	6	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	6	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	6	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	6	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	6	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	6	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	6	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	6	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	6	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	6	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	7	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	7	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	7	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	7	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	7	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	7	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	7	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	7	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	7	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	7	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	7	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	9	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	9	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	9	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	9	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	9	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	9	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	9	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	9	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	9	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	9	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	9	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	9	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	10	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	10	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	10	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	10	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	10	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	10	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	10	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	10	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	10	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	10	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	10	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	10	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	13	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	13	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	13	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	13	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	13	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	13	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	13	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	13	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	13	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	13	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	13	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	13	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	14	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	14	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	14	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	14	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	14	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	14	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	14	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	14	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	14	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	14	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	14	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	14	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	16	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	16	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	16	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	16	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	16	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	16	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	16	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	16	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	16	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	16	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	16	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	16	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	18	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	18	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	18	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	18	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	18	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	18	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	18	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	18	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	18	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	18	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	18	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	18	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	20	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	20	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	20	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	20	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	20	0.37
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	20	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	20	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	20	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	20	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	20	0.37
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	20	0.37
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	15	0.37
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	2	0.37
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	3	0.37
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	6	0.37
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	7	0.37
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	10	0.37
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	12	0.37
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	13	0.37
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	14	0.37
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	16	0.37
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	17	0.37
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	18	0.37
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	19	0.37
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	20	0.37
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	12	0.37
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	1	0.37
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	1	0.37
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	1	0.37
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	1	0.37
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	9	0.37
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	9	0.37
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	9	0.37
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	9	0.37
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	12	0.37
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	12	0.37
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	12	0.37
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	12	0.37
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	14	0.37
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	14	0.37
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	14	0.37
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	14	0.37
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	17	0.37
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	17	0.37
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	17	0.37
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	17	0.37
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	1	0.37
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	3	0.37
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	6	0.37
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	7	0.37
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	15	0.37
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	16	0.37
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	18	0.37
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	20	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	1	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	2	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	3	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	5	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	6	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	7	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	9	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	10	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	11	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	12	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	13	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	14	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	16	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	17	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	18	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	19	0.37
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	20	0.37
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	2	0.37
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	5	0.37
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	13	0.37
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	5	0.37
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	5	0.37
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	14	0.37
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	14	0.37
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE1	19	0.37
(1,184)	1:4:A:LEU:HG	1:7:A:PHE:HE2	19	0.37
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	3	0.37
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	11	0.37
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	12	0.37
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	15	0.37
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	17	0.37
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	20	0.37
(1,88)	1:3:A:ARG:HA	1:4:A:LEU:HG	9	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	3	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	3	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	3	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	3	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	3	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	3	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	3	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	3	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	3	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	3	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	3	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	4	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	4	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	4	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	4	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	4	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	4	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	4	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	4	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	4	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	4	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	4	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	4	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	6	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	6	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	6	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	6	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	6	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	6	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	6	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	6	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	6	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	6	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	6	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	6	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	7	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	7	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	7	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	7	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	7	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	7	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	7	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	7	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	7	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	7	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	7	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	8	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	8	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	8	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	8	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	8	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	8	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	8	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	8	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	8	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	8	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	8	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	8	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	10	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	10	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	10	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	10	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	10	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	10	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	10	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	10	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	10	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	10	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	10	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	10	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	11	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	11	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	11	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	11	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	11	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	11	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	11	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	11	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	11	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	11	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	11	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	11	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	12	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	12	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	12	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	12	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	12	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	12	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	12	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	12	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	12	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	12	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	12	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	15	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	15	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	15	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	15	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	15	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	15	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	15	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	15	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	15	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	15	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	15	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	15	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	16	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	16	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	16	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	16	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	16	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	16	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	16	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	16	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	16	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	16	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	16	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	16	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	20	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	20	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	20	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	20	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	20	0.37
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	20	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	20	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	20	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	20	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	20	0.37
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	20	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	3	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	3	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	3	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	3	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	3	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	3	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	3	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	3	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	3	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	3	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	3	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	3	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	4	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	4	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	4	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	4	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	4	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	4	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	4	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	4	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	4	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	4	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	4	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	4	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	6	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	6	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	6	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	6	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	6	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	6	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	6	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	6	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	6	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	6	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	6	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	6	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	7	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	7	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	7	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	7	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	7	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	7	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	7	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	7	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	7	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	7	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	7	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	8	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	8	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	8	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	8	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	8	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	8	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	8	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	8	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	8	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	8	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	8	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	8	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	10	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	10	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	10	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	10	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	10	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	10	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	10	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	10	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	10	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	10	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	10	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	10	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	11	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	11	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	11	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	11	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	11	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	11	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	11	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	11	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	11	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	11	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	11	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	12	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	12	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	12	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	12	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	12	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	12	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	12	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	12	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	12	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	12	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	12	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	12	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	15	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	15	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	15	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	15	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	15	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	15	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	15	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	15	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	15	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	15	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	15	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	15	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	16	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	16	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	16	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	16	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	16	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	16	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	16	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	16	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	16	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	16	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	16	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	16	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	20	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	20	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	20	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	20	0.37
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	20	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	20	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	20	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	20	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	20	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	20	0.37
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	20	0.37
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	9	0.37
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	9	0.37
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	9	0.37
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	9	0.37
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	9	0.37
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	9	0.37
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	9	0.37
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	9	0.37
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	9	0.37
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	9	0.37
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	9	0.37
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	9	0.37
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	1	0.37
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	1	0.37
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	18	0.37
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	18	0.37
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	1	0.37
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	1	0.37
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	18	0.37
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	18	0.37
(2,32)	1:12:A:ILE:HG23	1:13:A:LEU:HG	3	0.36
(2,32)	1:12:A:ILE:HG22	1:13:A:LEU:HG	6	0.36
(2,32)	1:12:A:ILE:HG22	1:13:A:LEU:HG	7	0.36
(2,32)	1:12:A:ILE:HG21	1:13:A:LEU:HG	9	0.36
(2,32)	1:12:A:ILE:HG23	1:13:A:LEU:HG	13	0.36
(2,32)	1:12:A:ILE:HG23	1:13:A:LEU:HG	14	0.36
(2,32)	1:12:A:ILE:HG21	1:13:A:LEU:HG	16	0.36
(2,32)	1:12:A:ILE:HG23	1:13:A:LEU:HG	18	0.36
(2,32)	1:12:A:ILE:HG22	1:13:A:LEU:HG	20	0.36
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	1	0.36
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	1	0.36
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	2	0.36
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	5	0.36
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	5	0.36
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	6	0.36
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	6	0.36
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	7	0.36
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	7	0.36
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	12	0.36
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	12	0.36
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	13	0.36
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	13	0.36
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	14	0.36
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	14	0.36
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	16	0.36
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	16	0.36
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	17	0.36
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	17	0.36
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	18	0.36
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	18	0.36
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	19	0.36
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	19	0.36
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	20	0.36
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	20	0.36
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	15	0.36
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	15	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	1	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	2	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	3	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	5	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	6	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	7	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	9	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	10	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	12	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	13	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	14	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	16	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	17	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	18	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	19	0.36
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	20	0.36
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	4	0.36
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,673)	1:14:A:GLN:HB2	1:16:A:LYS:H	8	0.36
(1,673)	1:14:A:GLN:HB3	1:16:A:LYS:H	8	0.36
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	5	0.36
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	5	0.36
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	15	0.36
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	15	0.36
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	12	0.36
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	12	0.36
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	1	0.36
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	1	0.36
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	1	0.36
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	3	0.36
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	3	0.36
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	3	0.36
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	7	0.36
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	7	0.36
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	7	0.36
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	11	0.36
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	11	0.36
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	11	0.36
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD11	20	0.36
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD12	20	0.36
(1,533)	1:11:A:PHE:HA	1:12:A:ILE:HD13	20	0.36
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	1	0.36
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	3	0.36
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	6	0.36
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	7	0.36
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	12	0.36
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	18	0.36
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	19	0.36
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	1	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	1	0.36
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	2	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	2	0.36
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	3	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	3	0.36
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	5	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	5	0.36
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	6	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	6	0.36
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	7	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	9	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	9	0.36
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	10	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	10	0.36
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	11	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	11	0.36
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	13	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	13	0.36
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	14	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	14	0.36
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	16	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	16	0.36
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	17	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	17	0.36
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	18	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	18	0.36
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	19	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	19	0.36
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	20	0.36
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	20	0.36
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	15	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	1	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	1	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	2	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	2	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	3	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	3	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	5	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	5	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	6	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	6	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	7	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	7	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	9	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	9	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	10	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	10	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	11	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	11	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	12	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	12	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	13	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	14	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	14	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	15	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	15	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	16	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	16	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	17	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	17	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	18	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	18	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	19	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	19	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	20	0.36
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	20	0.36
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	4	0.36
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	8	0.36
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	12	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	2	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	2	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	2	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	2	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	3	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	3	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	3	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	3	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	6	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	6	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	6	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	6	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	7	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	7	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	7	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	7	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	9	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	9	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	9	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	9	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	10	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	10	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	10	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	11	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	11	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	11	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	11	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	12	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	12	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	12	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	12	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	13	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	13	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	13	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	13	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	14	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	14	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	14	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	14	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	17	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	17	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	17	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	17	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	18	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	18	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	18	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	18	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	19	0.36
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	19	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	19	0.36
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	19	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	2	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	2	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	2	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	2	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	2	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	2	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	2	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	2	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	2	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	2	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	2	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	2	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	5	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	5	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	5	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	5	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	5	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	5	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	5	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	5	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	5	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	5	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	5	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	11	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	11	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	11	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	11	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	11	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	11	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	11	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	11	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	11	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	11	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	11	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	11	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	12	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	12	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	12	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	12	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	12	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	12	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	12	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	12	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	12	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	12	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	12	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	12	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	15	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	15	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	15	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	15	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	15	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	15	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	15	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	15	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	15	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	15	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	15	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	17	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	17	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	17	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	17	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	17	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	17	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	17	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	17	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	17	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	17	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	17	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	17	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	19	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	19	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	19	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	19	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	19	0.36
(1,356)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	19	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	19	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	19	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	19	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	19	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	19	0.36
(1,356)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	19	0.36
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	8	0.36
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	8	0.36
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	8	0.36
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	8	0.36
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	8	0.36
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	8	0.36
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	8	0.36
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	8	0.36
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	8	0.36
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	8	0.36
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	8	0.36
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	8	0.36
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	1	0.36
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	9	0.36
(1,350)	1:7:A:PHE:HZ	1:12:A:ILE:HA	15	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	1	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	2	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	3	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	5	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	6	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	7	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	9	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	10	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	11	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	13	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	14	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	15	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	16	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	17	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	18	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	19	0.36
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	20	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	2	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	2	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	2	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	2	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	3	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	3	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	3	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	3	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	5	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	5	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	5	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	5	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	6	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	6	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	6	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	6	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	7	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	7	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	7	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	7	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	10	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	10	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	10	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	11	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	11	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	11	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	11	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	13	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	13	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	13	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	13	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	15	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	15	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	15	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	15	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	16	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	16	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	16	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	16	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	18	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	18	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	18	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	18	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	19	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	19	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	19	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	19	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG2	20	0.36
(1,313)	1:7:A:PHE:HE1	1:9:A:ARG:HG3	20	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG2	20	0.36
(1,313)	1:7:A:PHE:HE2	1:9:A:ARG:HG3	20	0.36
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	4	0.36
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	4	0.36
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	4	0.36
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	4	0.36
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	8	0.36
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	8	0.36
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	8	0.36
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	8	0.36
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	2	0.36
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	4	0.36
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	8	0.36
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	9	0.36
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	11	0.36
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	12	0.36
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	13	0.36
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	14	0.36
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	17	0.36
(1,282)	1:7:A:PHE:HA	1:8:A:PHE:HA	19	0.36
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	15	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	1	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	1	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	3	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	3	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	6	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	6	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	7	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	7	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	9	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	9	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	10	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	10	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	11	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	11	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	12	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	12	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	15	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	15	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	16	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	16	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	18	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	18	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	20	0.36
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	20	0.36
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	9	0.36
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	14	0.36
(1,185)	1:4:A:LEU:HG	1:7:A:PHE:H	19	0.36
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	2	0.36
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	2	0.36
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	2	0.36
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	2	0.36
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	2	0.36
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	2	0.36
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	3	0.36
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	3	0.36
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	3	0.36
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	3	0.36
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	3	0.36
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	6	0.36
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	6	0.36
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	6	0.36
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	6	0.36
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	6	0.36
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	6	0.36
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	7	0.36
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	7	0.36
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	7	0.36
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	7	0.36
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	7	0.36
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	7	0.36
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	10	0.36
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	10	0.36
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	10	0.36
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	10	0.36
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	10	0.36
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	10	0.36
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	11	0.36
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	11	0.36
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	11	0.36
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	11	0.36
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	11	0.36
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	11	0.36
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	12	0.36
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	12	0.36
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	12	0.36
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	12	0.36
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	12	0.36
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	12	0.36
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	13	0.36
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	13	0.36
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	13	0.36
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	13	0.36
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	13	0.36
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	13	0.36
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	14	0.36
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	14	0.36
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	14	0.36
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	14	0.36
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	14	0.36
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	15	0.36
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	15	0.36
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	15	0.36
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	15	0.36
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	15	0.36
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	15	0.36
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	16	0.36
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	16	0.36
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	16	0.36
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	16	0.36
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	16	0.36
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	16	0.36
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	17	0.36
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	17	0.36
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	17	0.36
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	17	0.36
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	17	0.36
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	17	0.36
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	18	0.36
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	18	0.36
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	18	0.36
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	18	0.36
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	18	0.36
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	18	0.36
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	19	0.36
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	19	0.36
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	19	0.36
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	19	0.36
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	19	0.36
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	19	0.36
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	20	0.36
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	20	0.36
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	20	0.36
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	20	0.36
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	20	0.36
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	20	0.36
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	2	0.36
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	2	0.36
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	2	0.36
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	2	0.36
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	2	0.36
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	3	0.36
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	3	0.36
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	3	0.36
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	3	0.36
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	3	0.36
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	3	0.36
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	6	0.36
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	6	0.36
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	6	0.36
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	6	0.36
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	6	0.36
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	6	0.36
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	7	0.36
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	7	0.36
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	7	0.36
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	7	0.36
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	7	0.36
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	7	0.36
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	10	0.36
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	10	0.36
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	10	0.36
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	10	0.36
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	10	0.36
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	10	0.36
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	11	0.36
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	11	0.36
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	11	0.36
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	11	0.36
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	11	0.36
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	11	0.36
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	12	0.36
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	12	0.36
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	12	0.36
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	12	0.36
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	12	0.36
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	12	0.36
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	13	0.36
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	13	0.36
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	13	0.36
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	13	0.36
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	13	0.36
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	14	0.36
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	14	0.36
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	14	0.36
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	14	0.36
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	14	0.36
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	14	0.36
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	15	0.36
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	15	0.36
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	15	0.36
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	15	0.36
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	15	0.36
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	15	0.36
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	16	0.36
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	16	0.36
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	16	0.36
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	16	0.36
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	16	0.36
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	16	0.36
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	17	0.36
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	17	0.36
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	17	0.36
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	17	0.36
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	17	0.36
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	17	0.36
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	18	0.36
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	18	0.36
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	18	0.36
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	18	0.36
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	18	0.36
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	18	0.36
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	19	0.36
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	19	0.36
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	19	0.36
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	19	0.36
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	19	0.36
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	19	0.36
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	20	0.36
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	20	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	20	0.36
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	20	0.36
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	20	0.36
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	20	0.36
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	2	0.36
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	13	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	3	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	3	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	3	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	3	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	3	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	3	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	4	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	4	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	4	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	4	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	4	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	4	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	6	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	6	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	6	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	6	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	6	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	6	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	7	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	7	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	7	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	7	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	7	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	7	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	8	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	8	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	8	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	8	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	8	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	8	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	10	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	10	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	10	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	10	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	10	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	11	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	11	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	11	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	11	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	11	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	11	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	15	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	15	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	15	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	15	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	15	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	15	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	16	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	16	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	16	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	16	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	16	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	16	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	18	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	18	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	18	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	18	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	18	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	18	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	20	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	20	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	20	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	20	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	20	0.36
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	20	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	3	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	3	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	3	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	3	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	3	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	3	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	4	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	4	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	4	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	4	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	4	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	6	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	6	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	6	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	6	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	6	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	6	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	7	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	7	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	7	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	7	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	7	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	7	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	8	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	8	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	8	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	8	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	8	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	8	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	10	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	10	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	10	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	10	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	10	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	10	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	11	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	11	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	11	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	11	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	11	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	11	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	15	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	15	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	15	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	15	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	15	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	15	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	16	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	16	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	16	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	16	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	16	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	18	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	18	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	18	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	18	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	18	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	18	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	20	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	20	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	20	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	20	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	20	0.36
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	20	0.36
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	1	0.36
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	1	0.36
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	1	0.36
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	1	0.36
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	1	0.36
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	1	0.36
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	1	0.36
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	1	0.36
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	1	0.36
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	1	0.36
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	1	0.36
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	1	0.36
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD11	18	0.36
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD12	18	0.36
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD13	18	0.36
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD21	18	0.36
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD22	18	0.36
(1,36)	1:2:A:MET:HG2	1:4:A:LEU:HD23	18	0.36
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD11	18	0.36
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD12	18	0.36
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD13	18	0.36
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD21	18	0.36
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD22	18	0.36
(1,36)	1:2:A:MET:HG3	1:4:A:LEU:HD23	18	0.36
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	1	0.36
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	1	0.36
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	1	0.36
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	1	0.36
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	1	0.36
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	1	0.36
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	1	0.36
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	1	0.36
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	1	0.36
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	1	0.36
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	1	0.36
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD11	18	0.36
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD12	18	0.36
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD13	18	0.36
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD21	18	0.36
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD22	18	0.36
(1,33)	1:2:A:MET:HG2	1:4:A:LEU:HD23	18	0.36
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD11	18	0.36
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD12	18	0.36
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD13	18	0.36
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD21	18	0.36
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD22	18	0.36
(1,33)	1:2:A:MET:HG3	1:4:A:LEU:HD23	18	0.36
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	14	0.36
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	14	0.36
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	14	0.36
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	14	0.36
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	9	0.36
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	9	0.36
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	9	0.36
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	9	0.36
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	3	0.35
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	3	0.35
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	9	0.35
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	9	0.35
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	10	0.35
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	10	0.35
(1,730)	1:16:A:LYS:HD2	1:16:A:LYS:H	15	0.35
(1,730)	1:16:A:LYS:HD3	1:16:A:LYS:H	15	0.35
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	4	0.35
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	4	0.35
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	8	0.35
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	8	0.35
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	11	0.35
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	4	0.35
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	8	0.35
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	1	0.35
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	3	0.35
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	3	0.35
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	6	0.35
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	6	0.35
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	7	0.35
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	7	0.35
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	9	0.35
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	9	0.35
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	11	0.35
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	11	0.35
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	12	0.35
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	12	0.35
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	14	0.35
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	14	0.35
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	16	0.35
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	16	0.35
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	18	0.35
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	18	0.35
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	19	0.35
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	19	0.35
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	20	0.35
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	20	0.35
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	11	0.35
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	11	0.35
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	4	0.35
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	4	0.35
(1,543)	1:11:A:PHE:HE1	1:12:A:ILE:HA	8	0.35
(1,543)	1:11:A:PHE:HE2	1:12:A:ILE:HA	8	0.35
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	3	0.35
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	9	0.35
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	10	0.35
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	13	0.35
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	15	0.35
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	17	0.35
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	18	0.35
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	20	0.35
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	2	0.35
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	5	0.35
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	9	0.35
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	10	0.35
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	13	0.35
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	14	0.35
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	16	0.35
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	17	0.35
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	20	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	1	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	1	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	2	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	2	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	3	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	3	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	5	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	5	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	6	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	6	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	7	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	7	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	9	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	9	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	10	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	10	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	11	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	11	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	12	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	12	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	13	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	13	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	14	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	14	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	15	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	15	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	16	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	16	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	17	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	17	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	18	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	18	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	19	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	19	0.35
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	20	0.35
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	20	0.35
(1,498)	1:10:A:ASP:HB2	1:12:A:ILE:H	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,498)	1:10:A:ASP:HB3	1:12:A:ILE:H	15	0.35
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	4	0.35
(1,496)	1:10:A:ASP:HA	1:12:A:ILE:H	8	0.35
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	4	0.35
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	4	0.35
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB2	8	0.35
(1,468)	1:9:A:ARG:H	1:13:A:LEU:HB3	8	0.35
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	15	0.35
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	4	0.35
(1,392)	1:8:A:PHE:HZ	1:10:A:ASP:H	8	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	1	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	2	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	3	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	5	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	6	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	7	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	9	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	10	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	11	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	13	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	14	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	15	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	16	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	17	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	18	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	19	0.35
(1,384)	1:8:A:PHE:H	1:8:A:PHE:HZ	20	0.35
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	1	0.35
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	1	0.35
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	1	0.35
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	1	0.35
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	5	0.35
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	5	0.35
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	5	0.35
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	5	0.35
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	15	0.35
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	15	0.35
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	15	0.35
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	15	0.35
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	16	0.35
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	16	0.35
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	16	0.35
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG2	20	0.35
(1,366)	1:7:A:PHE:HE1	1:15:A:ARG:HG3	20	0.35
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG2	20	0.35
(1,366)	1:7:A:PHE:HE2	1:15:A:ARG:HG3	20	0.35
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	4	0.35
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	4	0.35
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	4	0.35
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	4	0.35
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	4	0.35
(1,354)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	4	0.35
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	4	0.35
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	4	0.35
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	4	0.35
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	4	0.35
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	4	0.35
(1,354)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	4	0.35
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	4	0.35
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	8	0.35
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	4	0.35
(1,324)	1:7:A:PHE:HZ	1:10:A:ASP:H	8	0.35
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	4	0.35
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	4	0.35
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	8	0.35
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	8	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	1	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	1	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	1	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	1	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	2	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	2	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	2	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	2	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	3	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	3	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	3	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	3	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	5	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	5	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	5	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	5	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	6	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	6	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	6	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	7	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	7	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	7	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	7	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	9	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	9	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	9	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	9	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	10	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	10	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	10	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	10	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	11	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	11	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	11	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	11	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	12	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	12	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	12	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	12	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	13	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	13	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	13	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	13	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	14	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	14	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	14	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	14	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	15	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	15	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	15	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	15	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	16	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	16	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	16	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	16	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	17	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	17	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	17	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	18	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	18	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	18	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	18	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	19	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	19	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	19	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	19	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	20	0.35
(1,294)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	20	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	20	0.35
(1,294)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	20	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	1	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	1	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	2	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	2	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	3	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	3	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	5	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	5	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	6	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	6	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	7	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	7	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	9	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	9	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	10	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	10	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	11	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	11	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	12	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	12	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	13	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	13	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	14	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	14	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	15	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	15	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	16	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	16	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	17	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	18	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	18	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	19	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	19	0.35
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	20	0.35
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	20	0.35
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	2	0.35
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	2	0.35
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	5	0.35
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	5	0.35
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	13	0.35
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	13	0.35
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	14	0.35
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	14	0.35
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	17	0.35
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	17	0.35
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	19	0.35
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	19	0.35
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	2	0.35
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	5	0.35
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	13	0.35
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	14	0.35
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	17	0.35
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	19	0.35
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	1	0.35
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	1	0.35
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	1	0.35
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	1	0.35
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	1	0.35
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	1	0.35
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	5	0.35
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	5	0.35
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	5	0.35
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	5	0.35
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	5	0.35
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	5	0.35
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	1	0.35
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	1	0.35
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	1	0.35
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	1	0.35
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	1	0.35
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	5	0.35
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	5	0.35
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	5	0.35
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	5	0.35
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	5	0.35
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	5	0.35
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	9	0.35
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	9	0.35
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	5	0.35
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	14	0.35
(1,97)	1:3:A:ARG:H	1:4:A:LEU:HA	19	0.35
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	1	0.35
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	1	0.35
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	1	0.35
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	1	0.35
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	1	0.35
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	1	0.35
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	12	0.35
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	12	0.35
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	12	0.35
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	12	0.35
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	12	0.35
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	12	0.35
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	1	0.35
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	1	0.35
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	1	0.35
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	1	0.35
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	1	0.35
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	1	0.35
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	12	0.35
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	12	0.35
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	12	0.35
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	12	0.35
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	12	0.35
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	12	0.35
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	2	0.35
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	2	0.35
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	2	0.35
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	2	0.35
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	5	0.35
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	5	0.35
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	5	0.35
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	13	0.35
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	13	0.35
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	13	0.35
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	13	0.35
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	19	0.35
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	19	0.35
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	19	0.35
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	19	0.35
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	4	0.34
(3,8)	1:9:A:ARG:O	1:13:A:LEU:N	8	0.34
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG22	6	0.34
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG22	12	0.34
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG21	16	0.34
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG23	18	0.34
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG22	20	0.34
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	12	0.34
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	12	0.34
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	13	0.34
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	13	0.34
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	14	0.34
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	14	0.34
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	12	0.34
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	12	0.34
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	13	0.34
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	13	0.34
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	14	0.34
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	14	0.34
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	4	0.34
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	8	0.34
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	2	0.34
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	2	0.34
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	10	0.34
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	10	0.34
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	13	0.34
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	13	0.34
(1,557)	1:11:A:PHE:HE1	1:14:A:GLN:H	17	0.34
(1,557)	1:11:A:PHE:HE2	1:14:A:GLN:H	17	0.34
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	1	0.34
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	1	0.34
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	2	0.34
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	3	0.34
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	3	0.34
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	5	0.34
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	5	0.34
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	6	0.34
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	6	0.34
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	7	0.34
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	7	0.34
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	9	0.34
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	9	0.34
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	10	0.34
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	10	0.34
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	12	0.34
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	12	0.34
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	13	0.34
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	13	0.34
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	14	0.34
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	14	0.34
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	16	0.34
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	16	0.34
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	17	0.34
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	17	0.34
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	18	0.34
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	18	0.34
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	19	0.34
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	19	0.34
(1,556)	1:11:A:PHE:HB2	1:14:A:GLN:H	20	0.34
(1,556)	1:11:A:PHE:HB3	1:14:A:GLN:H	20	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	1	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	1	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	2	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	2	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	3	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	3	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	5	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	5	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	6	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	6	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	7	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	7	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	9	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	10	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	10	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	11	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	11	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	12	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	12	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	13	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	13	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	14	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	14	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	15	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	15	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	16	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	16	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	17	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	17	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	18	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	18	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	19	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	19	0.34
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	20	0.34
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	20	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	1	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	1	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	2	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	2	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	3	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	3	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	5	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	5	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	6	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	6	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	7	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	7	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	9	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	9	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	10	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	10	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	11	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	11	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	12	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	13	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	13	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	14	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	14	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	15	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	15	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	16	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	16	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	17	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	17	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	18	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	18	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	19	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	19	0.34
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	20	0.34
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	20	0.34
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	1	0.34
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	2	0.34
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	5	0.34
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	6	0.34
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	7	0.34
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	12	0.34
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	14	0.34
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	16	0.34
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	19	0.34
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	4	0.34
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	4	0.34
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	1	0.34
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	2	0.34
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	3	0.34
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	5	0.34
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	6	0.34
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	7	0.34
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	9	0.34
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	10	0.34
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	11	0.34
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	12	0.34
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	13	0.34
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	14	0.34
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	16	0.34
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	18	0.34
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	19	0.34
(1,444)	1:9:A:ARG:HA	1:11:A:PHE:HA	20	0.34
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	1	0.34
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	1	0.34
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	12	0.34
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	12	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	3	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	3	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	4	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	4	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	6	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	6	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	7	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	7	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	8	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	8	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	9	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	9	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	10	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	10	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	13	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	13	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	14	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	14	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	15	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	15	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	16	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	16	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	18	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	18	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	20	0.34
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	20	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	3	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	3	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	4	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	4	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	6	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	6	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	7	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	7	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	8	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	9	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	9	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	10	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	10	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	13	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	13	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	14	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	14	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	15	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	15	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	16	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	16	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	18	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	18	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	20	0.34
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	20	0.34
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	4	0.34
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	4	0.34
(1,280)	1:7:A:PHE:HE1	1:7:A:PHE:H	8	0.34
(1,280)	1:7:A:PHE:HE2	1:7:A:PHE:H	8	0.34
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	4	0.34
(1,274)	1:7:A:PHE:HA	1:7:A:PHE:HZ	8	0.34
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	4	0.34
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	4	0.34
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB2	8	0.34
(1,240)	1:5:A:SER:H	1:8:A:PHE:HB3	8	0.34
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	1	0.34
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	3	0.34
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	4	0.34
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	6	0.34
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	7	0.34
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	8	0.34
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	10	0.34
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	11	0.34
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	12	0.34
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	15	0.34
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	16	0.34
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	18	0.34
(1,208)	1:4:A:LEU:H	1:8:A:PHE:H	20	0.34
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	4	0.34
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,182)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	9	0.34
(1,182)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	9	0.34
(1,182)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	9	0.34
(1,182)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	9	0.34
(1,182)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	9	0.34
(1,182)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	9	0.34
(1,177)	1:4:A:LEU:HD11	1:7:A:PHE:HZ	9	0.34
(1,177)	1:4:A:LEU:HD12	1:7:A:PHE:HZ	9	0.34
(1,177)	1:4:A:LEU:HD13	1:7:A:PHE:HZ	9	0.34
(1,177)	1:4:A:LEU:HD21	1:7:A:PHE:HZ	9	0.34
(1,177)	1:4:A:LEU:HD22	1:7:A:PHE:HZ	9	0.34
(1,177)	1:4:A:LEU:HD23	1:7:A:PHE:HZ	9	0.34
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	1	0.34
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	3	0.34
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	4	0.34
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	6	0.34
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	7	0.34
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	8	0.34
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	10	0.34
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	11	0.34
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	12	0.34
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	15	0.34
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	16	0.34
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	17	0.34
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	18	0.34
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	20	0.34
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	14	0.34
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	11	0.33
(2,38)	1:12:A:ILE:HD12	1:15:A:ARG:HG3	4	0.33
(2,38)	1:12:A:ILE:HD13	1:15:A:ARG:HG3	8	0.33
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG22	1	0.33
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG22	2	0.33
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG23	3	0.33
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG22	7	0.33
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG23	11	0.33
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG23	13	0.33
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG23	14	0.33
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG22	15	0.33
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG21	17	0.33
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	15	0.33
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	15	0.33
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	4	0.33
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	8	0.33
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	8	0.33
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	1	0.33
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	1	0.33
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	2	0.33
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	2	0.33
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	3	0.33
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	3	0.33
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	6	0.33
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	6	0.33
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	7	0.33
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	7	0.33
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	9	0.33
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	9	0.33
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	10	0.33
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	10	0.33
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	16	0.33
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	16	0.33
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	17	0.33
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	17	0.33
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	18	0.33
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	18	0.33
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	20	0.33
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	20	0.33
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	1	0.33
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	1	0.33
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	2	0.33
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	2	0.33
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	3	0.33
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	3	0.33
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	6	0.33
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	6	0.33
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	7	0.33
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	7	0.33
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	9	0.33
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	9	0.33
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	10	0.33
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	10	0.33
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	16	0.33
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	16	0.33
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	17	0.33
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	18	0.33
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	18	0.33
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	20	0.33
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	20	0.33
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	2	0.33
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	2	0.33
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	3	0.33
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	3	0.33
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	9	0.33
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	9	0.33
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	10	0.33
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	10	0.33
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	13	0.33
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	13	0.33
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	14	0.33
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	14	0.33
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	16	0.33
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	16	0.33
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	17	0.33
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	17	0.33
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	18	0.33
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	18	0.33
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	20	0.33
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	20	0.33
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	2	0.33
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	3	0.33
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	6	0.33
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	9	0.33
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	10	0.33
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	13	0.33
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	14	0.33
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	16	0.33
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	17	0.33
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	18	0.33
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	20	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	1	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	1	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	2	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	2	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	3	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	5	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	5	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	6	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	6	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	7	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	7	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	9	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	9	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	10	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	10	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	11	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	11	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	12	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	12	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	13	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	13	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	14	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	14	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	15	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	15	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	16	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	16	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	17	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	17	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	18	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	18	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	19	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	19	0.33
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	20	0.33
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	20	0.33
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	11	0.33
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	15	0.33
(1,505)	1:10:A:ASP:HA	1:13:A:LEU:HB2	4	0.33
(1,505)	1:10:A:ASP:HA	1:13:A:LEU:HB3	4	0.33
(1,505)	1:10:A:ASP:HA	1:13:A:LEU:HB2	8	0.33
(1,505)	1:10:A:ASP:HA	1:13:A:LEU:HB3	8	0.33
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	8	0.33
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	8	0.33
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	15	0.33
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	15	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	2	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	3	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	3	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	5	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	5	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	6	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	6	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	7	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	7	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	9	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	9	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	10	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	10	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	11	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	11	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	13	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	13	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	14	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	14	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	15	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	15	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	16	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	16	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	17	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	17	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	18	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	18	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	19	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	19	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB2	20	0.33
(1,306)	1:7:A:PHE:HZ	1:8:A:PHE:HB3	20	0.33
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	1	0.33
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	1	0.33
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	2	0.33
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	2	0.33
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	5	0.33
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	5	0.33
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	11	0.33
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	11	0.33
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	12	0.33
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	12	0.33
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	17	0.33
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB2	19	0.33
(1,284)	1:7:A:PHE:HA	1:8:A:PHE:HB3	19	0.33
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	1	0.33
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	1	0.33
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	2	0.33
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	2	0.33
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	5	0.33
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	5	0.33
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	11	0.33
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	11	0.33
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	12	0.33
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	12	0.33
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	17	0.33
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	17	0.33
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB2	19	0.33
(1,283)	1:7:A:PHE:HA	1:8:A:PHE:HB3	19	0.33
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	1	0.33
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	1	0.33
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	1	0.33
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	12	0.33
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	12	0.33
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	12	0.33
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	2	0.33
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	2	0.33
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	2	0.33
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	2	0.33
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	2	0.33
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	2	0.33
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	5	0.33
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	5	0.33
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	5	0.33
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	5	0.33
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	5	0.33
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	5	0.33
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	14	0.33
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	14	0.33
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	14	0.33
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	14	0.33
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	14	0.33
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	14	0.33
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	19	0.33
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	19	0.33
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	19	0.33
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	19	0.33
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	19	0.33
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	2	0.33
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	5	0.33
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	9	0.33
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	13	0.33
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	14	0.33
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	17	0.33
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	19	0.33
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	2	0.33
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	5	0.33
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	9	0.33
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	13	0.33
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	14	0.33
(1,127)	1:4:A:LEU:HA	1:4:A:LEU:HG	19	0.33
(1,53)	1:2:A:MET:HA	1:6:A:ALA:HA	9	0.33
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	9	0.33
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	9	0.33
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	9	0.33
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	9	0.33
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	17	0.33
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	17	0.33
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	17	0.33
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	17	0.33
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	3	0.33
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	5	0.33
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	20	0.33
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	9	0.32
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	17	0.32
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	18	0.32
(2,30)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	1	0.32
(2,30)	1:12:A:ILE:HG23	1:13:A:LEU:HB2	11	0.32
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG21	5	0.32
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG21	9	0.32
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG22	10	0.32
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	5	0.32
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	5	0.32
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	19	0.32
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	19	0.32
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	5	0.32
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	19	0.32
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	19	0.32
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	1	0.32
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	1	0.32
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	5	0.32
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	5	0.32
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	6	0.32
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	6	0.32
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	7	0.32
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	7	0.32
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	12	0.32
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	12	0.32
(1,708)	1:15:A:ARG:HB2	1:16:A:LYS:HA	19	0.32
(1,708)	1:15:A:ARG:HB3	1:16:A:LYS:HA	19	0.32
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	4	0.32
(1,707)	1:15:A:ARG:HA	1:16:A:LYS:H	8	0.32
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	4	0.32
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	4	0.32
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	8	0.32
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	8	0.32
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	1	0.32
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	5	0.32
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	7	0.32
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	12	0.32
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	19	0.32
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	11	0.32
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	11	0.32
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	4	0.32
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	4	0.32
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	8	0.32
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	8	0.32
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	4	0.32
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	4	0.32
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	8	0.32
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	8	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	2	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	2	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	3	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	3	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	5	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	6	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	6	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	7	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	7	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	9	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	9	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	10	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	10	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	13	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	13	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	14	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	14	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	16	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	16	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	17	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	17	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	18	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	18	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	20	0.32
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	20	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	1	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	1	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	2	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	2	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	3	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	3	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	5	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	5	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	6	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	6	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	7	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	7	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	9	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	9	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	10	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	10	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	11	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	11	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	12	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	12	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	13	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	14	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	14	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	15	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	15	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	16	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	16	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	17	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	17	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	18	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	18	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	19	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	19	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB2	20	0.32
(1,512)	1:10:A:ASP:H	1:13:A:LEU:HB3	20	0.32
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	1	0.32
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	2	0.32
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	3	0.32
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	5	0.32
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	6	0.32
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	7	0.32
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	9	0.32
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	10	0.32
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	12	0.32
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	13	0.32
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	14	0.32
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	16	0.32
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	17	0.32
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	18	0.32
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	19	0.32
(1,511)	1:10:A:ASP:H	1:13:A:LEU:HA	20	0.32
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	4	0.32
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	8	0.32
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	4	0.32
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	4	0.32
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE1	8	0.32
(1,479)	1:10:A:ASP:HA	1:11:A:PHE:HE2	8	0.32
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	1	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	1	0.32
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	2	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	2	0.32
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	3	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	5	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	5	0.32
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	6	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	6	0.32
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	7	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	7	0.32
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	9	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	9	0.32
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	10	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	10	0.32
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	11	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	11	0.32
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	13	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	13	0.32
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	14	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	14	0.32
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	16	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	16	0.32
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	17	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	17	0.32
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	18	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	18	0.32
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	19	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	19	0.32
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	20	0.32
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	20	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	1	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	1	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	2	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	2	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	3	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	3	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	4	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	4	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	5	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	5	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	6	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	6	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	7	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	7	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	8	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	10	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	10	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	14	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	14	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	15	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	15	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	16	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	16	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	17	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	17	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	19	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	19	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	20	0.32
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	20	0.32
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	4	0.32
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	4	0.32
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	4	0.32
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	4	0.32
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	8	0.32
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	8	0.32
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	8	0.32
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	8	0.32
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	3	0.32
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	6	0.32
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	10	0.32
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	13	0.32
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	14	0.32
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	18	0.32
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	20	0.32
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	5	0.32
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	5	0.32
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	5	0.32
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	7	0.32
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	7	0.32
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	7	0.32
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	11	0.32
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	11	0.32
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	11	0.32
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	16	0.32
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	16	0.32
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	16	0.32
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	19	0.32
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	19	0.32
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	20	0.32
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	20	0.32
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	20	0.32
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	9	0.32
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	9	0.32
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	9	0.32
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	9	0.32
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	9	0.32
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	9	0.32
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	9	0.32
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	13	0.32
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	13	0.32
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	13	0.32
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	13	0.32
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	13	0.32
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	13	0.32
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	17	0.32
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	17	0.32
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	17	0.32
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	17	0.32
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	17	0.32
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	17	0.32
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	1	0.32
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	3	0.32
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	6	0.32
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	7	0.32
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	10	0.32
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	11	0.32
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	12	0.32
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	15	0.32
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	16	0.32
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	18	0.32
(1,189)	1:4:A:LEU:H	1:7:A:PHE:HZ	20	0.32
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	5	0.32
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	5	0.32
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	5	0.32
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	5	0.32
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	5	0.32
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	5	0.32
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	17	0.32
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	17	0.32
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	17	0.32
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	17	0.32
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	17	0.32
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	5	0.32
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	5	0.32
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	5	0.32
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	5	0.32
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	5	0.32
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	5	0.32
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	17	0.32
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	17	0.32
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	17	0.32
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	17	0.32
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	17	0.32
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	17	0.32
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	2	0.32
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	13	0.32
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	17	0.32
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	19	0.32
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	1	0.32
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	1	0.32
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	1	0.32
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	1	0.32
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	2	0.32
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	11	0.32
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	15	0.32
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	16	0.32
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	17	0.32
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	19	0.32
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	1	0.31
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	2	0.31
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	3	0.31
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	5	0.31
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	6	0.31
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	7	0.31
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	10	0.31
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	12	0.31
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	13	0.31
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	14	0.31
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	19	0.31
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	20	0.31
(2,30)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	2	0.31
(2,30)	1:12:A:ILE:HG23	1:13:A:LEU:HB2	3	0.31
(2,30)	1:12:A:ILE:HG21	1:13:A:LEU:HB2	5	0.31
(2,30)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	6	0.31
(2,30)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	7	0.31
(2,30)	1:12:A:ILE:HG21	1:13:A:LEU:HB2	9	0.31
(2,30)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	10	0.31
(2,30)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	12	0.31
(2,30)	1:12:A:ILE:HG23	1:13:A:LEU:HB2	13	0.31
(2,30)	1:12:A:ILE:HG23	1:13:A:LEU:HB2	14	0.31
(2,30)	1:12:A:ILE:HG21	1:13:A:LEU:HB2	16	0.31
(2,30)	1:12:A:ILE:HG21	1:13:A:LEU:HB2	17	0.31
(2,30)	1:12:A:ILE:HG23	1:13:A:LEU:HB2	18	0.31
(2,30)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	20	0.31
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG21	19	0.31
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	2	0.31
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	2	0.31
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	10	0.31
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	10	0.31
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	15	0.31
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	15	0.31
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	3	0.31
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	3	0.31
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	5	0.31
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	5	0.31
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	7	0.31
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	7	0.31
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	14	0.31
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	14	0.31
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	19	0.31
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	19	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	2	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	2	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	3	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	3	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	6	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	6	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	7	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	7	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	9	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	10	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	10	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	12	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	12	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	13	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	13	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	16	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	16	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	17	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	17	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	18	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	18	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	19	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	19	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	20	0.31
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	20	0.31
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	1	0.31
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	1	0.31
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	12	0.31
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	12	0.31
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	19	0.31
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	19	0.31
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	4	0.31
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	4	0.31
(1,499)	1:10:A:ASP:HB2	1:12:A:ILE:HB	8	0.31
(1,499)	1:10:A:ASP:HB3	1:12:A:ILE:HB	8	0.31
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	15	0.31
(1,447)	1:9:A:ARG:HB2	1:11:A:PHE:HA	12	0.31
(1,447)	1:9:A:ARG:HB3	1:11:A:PHE:HA	12	0.31
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	9	0.31
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	9	0.31
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	11	0.31
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	11	0.31
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	12	0.31
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	12	0.31
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	13	0.31
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	13	0.31
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB2	18	0.31
(1,445)	1:9:A:ARG:HA	1:11:A:PHE:HB3	18	0.31
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	12	0.31
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	12	0.31
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	12	0.31
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	1	0.31
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	2	0.31
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	5	0.31
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	7	0.31
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	9	0.31
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	11	0.31
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	12	0.31
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	16	0.31
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	17	0.31
(1,353)	1:7:A:PHE:HZ	1:12:A:ILE:H	19	0.31
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	4	0.31
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	4	0.31
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	8	0.31
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	8	0.31
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	2	0.31
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	2	0.31
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	2	0.31
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	3	0.31
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	3	0.31
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	3	0.31
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	6	0.31
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	6	0.31
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	6	0.31
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	9	0.31
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	9	0.31
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	9	0.31
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	10	0.31
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	10	0.31
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	10	0.31
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	13	0.31
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	13	0.31
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	13	0.31
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	14	0.31
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	14	0.31
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	14	0.31
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	15	0.31
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	15	0.31
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	15	0.31
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	17	0.31
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	17	0.31
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	18	0.31
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	18	0.31
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	18	0.31
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	2	0.31
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	3	0.31
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	4	0.31
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	5	0.31
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	8	0.31
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	13	0.31
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	14	0.31
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	17	0.31
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	19	0.31
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	1	0.31
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	1	0.31
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	1	0.31
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	1	0.31
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	1	0.31
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	1	0.31
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	3	0.31
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	3	0.31
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	3	0.31
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	3	0.31
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	3	0.31
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	3	0.31
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	4	0.31
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	4	0.31
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	4	0.31
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	4	0.31
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	4	0.31
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	4	0.31
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	6	0.31
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	6	0.31
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	6	0.31
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	6	0.31
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	6	0.31
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	6	0.31
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	7	0.31
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	7	0.31
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	7	0.31
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	7	0.31
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	7	0.31
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	8	0.31
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	8	0.31
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	8	0.31
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	8	0.31
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	8	0.31
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	8	0.31
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	10	0.31
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	10	0.31
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	10	0.31
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	10	0.31
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	10	0.31
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	10	0.31
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	11	0.31
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	11	0.31
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	11	0.31
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	11	0.31
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	11	0.31
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	11	0.31
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	12	0.31
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	12	0.31
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	12	0.31
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	12	0.31
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	12	0.31
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	12	0.31
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	15	0.31
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	15	0.31
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	15	0.31
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	15	0.31
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	15	0.31
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	15	0.31
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	16	0.31
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	16	0.31
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	16	0.31
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	16	0.31
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	16	0.31
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	16	0.31
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	18	0.31
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	18	0.31
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	18	0.31
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	18	0.31
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	18	0.31
(1,196)	1:4:A:LEU:HD11	1:8:A:PHE:H	20	0.31
(1,196)	1:4:A:LEU:HD12	1:8:A:PHE:H	20	0.31
(1,196)	1:4:A:LEU:HD13	1:8:A:PHE:H	20	0.31
(1,196)	1:4:A:LEU:HD21	1:8:A:PHE:H	20	0.31
(1,196)	1:4:A:LEU:HD22	1:8:A:PHE:H	20	0.31
(1,196)	1:4:A:LEU:HD23	1:8:A:PHE:H	20	0.31
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	9	0.31
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	9	0.31
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	9	0.31
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	9	0.31
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	9	0.31
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	9	0.31
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	9	0.31
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	9	0.31
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	9	0.31
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	9	0.31
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	9	0.31
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	9	0.31
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	12	0.31
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	14	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	3	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	3	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	3	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	3	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	4	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	4	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	4	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	4	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	6	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	6	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	6	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	6	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	7	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	7	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	7	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	7	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	8	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	8	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	8	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	8	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	10	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	10	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	10	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	12	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	12	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	12	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	12	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	15	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	15	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	15	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	15	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	16	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	16	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	16	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	16	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	20	0.31
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	20	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	20	0.31
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	20	0.31
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	5	0.31
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	5	0.31
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	14	0.31
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	14	0.31
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	5	0.31
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	5	0.31
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	14	0.31
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	14	0.31
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	1	0.31
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	4	0.31
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	6	0.31
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	7	0.31
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	8	0.31
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	10	0.31
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	12	0.31
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	13	0.31
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	18	0.31
(2,30)	1:12:A:ILE:HG21	1:13:A:LEU:HB2	19	0.3
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	1	0.3
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	1	0.3
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	3	0.3
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	3	0.3
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	4	0.3
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	5	0.3
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	5	0.3
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	6	0.3
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	6	0.3
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	8	0.3
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	8	0.3
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	9	0.3
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	9	0.3
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	13	0.3
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	13	0.3
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	14	0.3
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	14	0.3
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	16	0.3
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	16	0.3
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	17	0.3
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	17	0.3
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	18	0.3
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	18	0.3
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	19	0.3
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	19	0.3
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	20	0.3
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	20	0.3
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	7	0.3
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	7	0.3
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	2	0.3
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	2	0.3
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	3	0.3
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	3	0.3
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	6	0.3
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	6	0.3
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	7	0.3
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	7	0.3
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	9	0.3
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	9	0.3
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	10	0.3
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	10	0.3
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	11	0.3
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	11	0.3
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	12	0.3
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	12	0.3
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	13	0.3
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	14	0.3
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	14	0.3
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	16	0.3
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	16	0.3
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	17	0.3
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	17	0.3
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	18	0.3
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	18	0.3
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	20	0.3
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	20	0.3
(1,629)	1:13:A:LEU:HB2	1:14:A:GLN:H	4	0.3
(1,629)	1:13:A:LEU:HB3	1:14:A:GLN:H	4	0.3
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	4	0.3
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	4	0.3
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	8	0.3
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	8	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	1	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	1	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	2	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	2	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	6	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	6	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	9	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	9	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	10	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	10	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	12	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	12	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	13	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	13	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	16	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	16	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	17	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	17	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	18	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	18	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	20	0.3
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	20	0.3
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	4	0.3
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	4	0.3
(1,539)	1:11:A:PHE:HB2	1:12:A:ILE:HA	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,539)	1:11:A:PHE:HB3	1:12:A:ILE:HA	8	0.3
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	4	0.3
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	4	0.3
(1,535)	1:11:A:PHE:HB2	1:12:A:ILE:HA	8	0.3
(1,535)	1:11:A:PHE:HB3	1:12:A:ILE:HA	8	0.3
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	4	0.3
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	8	0.3
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	1	0.3
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	1	0.3
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	5	0.3
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	5	0.3
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	14	0.3
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	14	0.3
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	4	0.3
(1,501)	1:10:A:ASP:H	1:12:A:ILE:HA	8	0.3
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	4	0.3
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	4	0.3
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	4	0.3
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	4	0.3
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	4	0.3
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	4	0.3
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	8	0.3
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	8	0.3
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	8	0.3
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	8	0.3
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	8	0.3
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	8	0.3
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	4	0.3
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	4	0.3
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	4	0.3
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	4	0.3
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	4	0.3
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	4	0.3
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	8	0.3
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	8	0.3
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	8	0.3
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	8	0.3
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	8	0.3
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	8	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	1	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	1	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	1	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	2	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	2	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	2	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	2	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	3	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	3	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	3	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	3	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	6	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	6	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	6	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	6	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	7	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	7	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	7	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	7	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	10	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	10	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	10	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	10	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	11	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	11	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	11	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	11	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	13	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	13	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	13	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	13	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	14	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	14	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	14	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	14	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	16	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	16	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	16	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	16	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	17	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	17	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	17	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	17	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	18	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	18	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	18	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	19	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	19	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	19	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	19	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	20	0.3
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	20	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	20	0.3
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	20	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	1	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	1	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	2	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	2	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	3	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	3	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	5	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	5	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	6	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	6	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	7	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	7	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	10	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	10	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	11	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	11	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	12	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	12	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	13	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	13	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	14	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	14	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	15	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	15	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	16	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	16	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	17	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	17	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	18	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	18	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	19	0.3
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	20	0.3
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	20	0.3
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	4	0.3
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	4	0.3
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	4	0.3
(1,263)	1:6:A:ALA:HB1	1:9:A:ARG:HA	8	0.3
(1,263)	1:6:A:ALA:HB2	1:9:A:ARG:HA	8	0.3
(1,263)	1:6:A:ALA:HB3	1:9:A:ARG:HA	8	0.3
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	1	0.3
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	6	0.3
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	7	0.3
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	10	0.3
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	11	0.3
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	12	0.3
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	15	0.3
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	16	0.3
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	18	0.3
(1,205)	1:4:A:LEU:H	1:8:A:PHE:HA	20	0.3
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	9	0.3
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	19	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	2	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	2	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	2	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	2	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	2	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	2	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	13	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	13	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	13	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	13	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	13	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	13	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	14	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	14	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	14	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	14	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	14	0.3
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	14	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	2	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	2	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	2	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	2	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	2	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	13	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	13	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	13	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	13	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	13	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	13	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	14	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	14	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	14	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	14	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	14	0.3
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	14	0.3
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	4	0.3
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	4	0.3
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	8	0.3
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	8	0.3
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	10	0.3
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	10	0.3
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	13	0.3
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	13	0.3
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	17	0.3
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	17	0.3
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	18	0.3
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	18	0.3
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	1	0.3
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	4	0.3
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	5	0.3
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	6	0.3
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	7	0.3
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	8	0.3
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	10	0.3
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	16	0.3
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	18	0.3
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	11	0.3
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	11	0.3
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	11	0.3
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	11	0.3
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB2	18	0.3
(1,25)	1:2:A:MET:HB2	1:4:A:LEU:HB3	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB2	18	0.3
(1,25)	1:2:A:MET:HB3	1:4:A:LEU:HB3	18	0.3
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	7	0.29
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	7	0.29
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	11	0.29
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	11	0.29
(1,738)	1:16:A:LYS:HB2	1:17:A:LYS:H	12	0.29
(1,738)	1:16:A:LYS:HB3	1:17:A:LYS:H	12	0.29
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	4	0.29
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	8	0.29
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	1	0.29
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	1	0.29
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	5	0.29
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	5	0.29
(1,714)	1:15:A:ARG:HG2	1:16:A:LYS:HA	19	0.29
(1,714)	1:15:A:ARG:HG3	1:16:A:LYS:HA	19	0.29
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	15	0.29
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	15	0.29
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	15	0.29
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	15	0.29
(1,629)	1:13:A:LEU:HB2	1:14:A:GLN:H	8	0.29
(1,629)	1:13:A:LEU:HB3	1:14:A:GLN:H	8	0.29
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	1	0.29
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	2	0.29
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	3	0.29
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	5	0.29
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	6	0.29
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	7	0.29
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	9	0.29
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	10	0.29
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	12	0.29
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	13	0.29
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	14	0.29
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	16	0.29
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	17	0.29
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	18	0.29
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	19	0.29
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	20	0.29
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	5	0.29
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	5	0.29
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	15	0.29
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	2	0.29
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	3	0.29
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	5	0.29
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	6	0.29
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	7	0.29
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	9	0.29
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	10	0.29
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	11	0.29
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	12	0.29
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	14	0.29
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	17	0.29
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	18	0.29
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	19	0.29
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	20	0.29
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	5	0.29
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	5	0.29
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	5	0.29
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	5	0.29
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	9	0.29
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	9	0.29
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	9	0.29
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	9	0.29
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE1	15	0.29
(1,404)	1:8:A:PHE:HE1	1:11:A:PHE:HE2	15	0.29
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE1	15	0.29
(1,404)	1:8:A:PHE:HE2	1:11:A:PHE:HE2	15	0.29
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	4	0.29
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	4	0.29
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	8	0.29
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	8	0.29
(1,277)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	9	0.29
(1,277)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	9	0.29
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	4	0.29
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	8	0.29
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	5	0.29
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	14	0.29
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	17	0.29
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	3	0.29
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	3	0.29
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	4	0.29
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	4	0.29
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	6	0.29
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	7	0.29
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	7	0.29
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	8	0.29
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	8	0.29
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	10	0.29
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	10	0.29
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	16	0.29
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	16	0.29
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	18	0.29
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	18	0.29
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD11	19	0.29
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD12	19	0.29
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD13	19	0.29
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD21	19	0.29
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD22	19	0.29
(1,87)	1:3:A:ARG:HA	1:4:A:LEU:HD23	19	0.29
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD11	19	0.29
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD12	19	0.29
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD13	19	0.29
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD21	19	0.29
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD22	19	0.29
(1,86)	1:3:A:ARG:HA	1:4:A:LEU:HD23	19	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	1	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	1	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	2	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	2	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	3	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	3	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	5	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	5	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	6	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	6	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	7	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	7	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	11	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	11	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	12	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	12	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	14	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	14	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	15	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	16	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	16	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	19	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	19	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	20	0.29
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	20	0.29
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	3	0.29
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	11	0.29
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	15	0.29
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	20	0.29
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	3	0.29
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	3	0.29
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	11	0.29
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	11	0.29
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	3	0.29
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	3	0.29
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	11	0.29
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	11	0.29
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	4	0.28
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	4	0.28
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	8	0.28
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	8	0.28
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	4	0.28
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	4	0.28
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	8	0.28
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	8	0.28
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	4	0.28
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	4	0.28
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	8	0.28
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	8	0.28
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	4	0.28
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	8	0.28
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	2	0.28
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	5	0.28
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	14	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	1	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	1	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	2	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	2	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	3	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	4	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	4	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	6	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	6	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	7	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	7	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	8	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	8	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	9	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	9	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	10	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	10	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	11	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	11	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	12	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	12	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	13	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	13	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	14	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	14	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	16	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	16	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	17	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	17	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	18	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	18	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	19	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	19	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE1	20	0.28
(1,525)	1:11:A:PHE:HA	1:11:A:PHE:HE2	20	0.28
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	1	0.28
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	13	0.28
(1,489)	1:10:A:ASP:H	1:11:A:PHE:HA	16	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	1	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	1	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	2	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	2	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	3	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	3	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	5	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	5	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	6	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	7	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	7	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	9	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	9	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	10	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	10	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	11	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	11	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	12	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	12	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	13	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	13	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	14	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	14	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	16	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	16	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	17	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	17	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	18	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	18	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	19	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	19	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	20	0.28
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	20	0.28
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	4	0.28
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	4	0.28
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	8	0.28
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	8	0.28
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	10	0.28
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	18	0.28
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	1	0.28
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	2	0.28
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	3	0.28
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	4	0.28
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	6	0.28
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	7	0.28
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	8	0.28
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	10	0.28
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	11	0.28
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	12	0.28
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	15	0.28
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	16	0.28
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	18	0.28
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	19	0.28
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	20	0.28
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	1	0.28
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	2	0.28
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	13	0.28
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	5	0.28
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	5	0.28
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	5	0.28
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	5	0.28
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	1	0.28
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	1	0.28
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	15	0.28
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	15	0.28
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	20	0.28
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	20	0.28
(1,84)	1:3:A:ARG:HA	1:4:A:LEU:HA	9	0.28
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	15	0.28
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	15	0.28
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG2	20	0.28
(1,11)	1:2:A:MET:HA	1:3:A:ARG:HG3	20	0.28
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	15	0.28
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	15	0.28
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG2	20	0.28
(1,10)	1:2:A:MET:HA	1:3:A:ARG:HG3	20	0.28
(3,9)	1:10:A:ASP:O	1:14:A:GLN:H	15	0.27
(2,38)	1:12:A:ILE:HD11	1:15:A:ARG:HG3	1	0.27
(2,38)	1:12:A:ILE:HD11	1:15:A:ARG:HG3	2	0.27
(2,38)	1:12:A:ILE:HD11	1:15:A:ARG:HG3	5	0.27
(2,38)	1:12:A:ILE:HD13	1:15:A:ARG:HG3	12	0.27
(2,38)	1:12:A:ILE:HD13	1:15:A:ARG:HG3	14	0.27
(2,38)	1:12:A:ILE:HD13	1:15:A:ARG:HG3	15	0.27
(2,38)	1:12:A:ILE:HD11	1:15:A:ARG:HG3	19	0.27
(2,30)	1:12:A:ILE:HG22	1:13:A:LEU:HB2	15	0.27
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	9	0.27
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	9	0.27
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	15	0.27
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	15	0.27
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	13	0.27
(1,711)	1:15:A:ARG:HD2	1:16:A:LYS:H	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:15:A:ARG:HD3	1:16:A:LYS:H	11	0.27
(1,710)	1:15:A:ARG:HD2	1:16:A:LYS:H	11	0.27
(1,710)	1:15:A:ARG:HD3	1:16:A:LYS:H	11	0.27
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	1	0.27
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	12	0.27
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	14	0.27
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	19	0.27
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	11	0.27
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	15	0.27
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	12	0.27
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	12	0.27
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	16	0.27
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	16	0.27
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	4	0.27
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	4	0.27
(1,536)	1:11:A:PHE:HB2	1:12:A:ILE:HB	8	0.27
(1,536)	1:11:A:PHE:HB3	1:12:A:ILE:HB	8	0.27
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	1	0.27
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	3	0.27
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	6	0.27
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	7	0.27
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	9	0.27
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	10	0.27
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	11	0.27
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	12	0.27
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	13	0.27
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	15	0.27
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	16	0.27
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	17	0.27
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	18	0.27
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	19	0.27
(1,532)	1:11:A:PHE:HA	1:12:A:ILE:HA	20	0.27
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	4	0.27
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	4	0.27
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	8	0.27
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	8	0.27
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	12	0.27
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	12	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	1	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	2	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	3	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	5	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	6	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	7	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	8	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	9	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	10	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	11	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	12	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	13	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	14	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	16	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	17	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	18	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	19	0.27
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	20	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	2	0.27
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	2	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	3	0.27
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	3	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	5	0.27
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	5	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	6	0.27
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	6	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	7	0.27
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	7	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	9	0.27
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	9	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	10	0.27
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	10	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	11	0.27
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	11	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	12	0.27
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	12	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	13	0.27
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	13	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	14	0.27
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	14	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	16	0.27
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	16	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	17	0.27
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	17	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	18	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	19	0.27
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	19	0.27
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	20	0.27
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	20	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	1	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	2	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	3	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	4	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	5	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	6	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	7	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	8	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	9	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	10	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	11	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	12	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	13	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	14	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	15	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	16	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	17	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	18	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	19	0.27
(1,303)	1:7:A:PHE:H	1:8:A:PHE:HZ	20	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	1	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	1	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	1	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	1	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	2	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	2	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	2	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	2	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	3	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	3	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	3	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	3	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	5	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	5	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	5	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	5	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	6	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	6	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	6	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	7	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	7	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	7	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	7	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	9	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	9	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	9	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	9	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	10	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	10	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	10	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	10	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	11	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	11	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	11	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	11	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	12	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	12	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	12	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	12	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	13	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	13	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	13	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	13	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	14	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	14	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	14	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	14	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	15	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	15	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	15	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	15	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	16	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	16	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	16	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	16	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	17	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	17	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	17	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	18	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	18	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	18	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	18	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	19	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	19	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	19	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	19	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	20	0.27
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	20	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	20	0.27
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	20	0.27
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	3	0.27
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	6	0.27
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	7	0.27
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	15	0.27
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	16	0.27
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	20	0.27
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	4	0.27
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	4	0.27
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	4	0.27
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	8	0.27
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	8	0.27
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	8	0.27
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	9	0.27
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	9	0.27
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	9	0.27
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	18	0.27
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	18	0.27
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	18	0.27
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	9	0.27
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	9	0.27
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	9	0.27
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	9	0.27
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	9	0.27
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	9	0.27
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	12	0.27
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	14	0.27
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	16	0.27
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	17	0.27
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	3	0.27
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	11	0.27
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	11	0.27
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	14	0.27
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	14	0.27
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	15	0.27
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	15	0.27
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	20	0.27
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	20	0.27
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	3	0.27
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	3	0.27
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	11	0.27
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	11	0.27
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	14	0.27
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	14	0.27
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	15	0.27
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	15	0.27
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	20	0.27
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	20	0.27
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	11	0.27
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	11	0.27
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	12	0.27
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	12	0.27
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	17	0.27
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	17	0.27
(2,38)	1:12:A:ILE:HD13	1:15:A:ARG:HG3	3	0.26
(2,38)	1:12:A:ILE:HD13	1:15:A:ARG:HG3	6	0.26
(2,38)	1:12:A:ILE:HD13	1:15:A:ARG:HG3	7	0.26
(2,38)	1:12:A:ILE:HD12	1:15:A:ARG:HG3	9	0.26
(2,38)	1:12:A:ILE:HD13	1:15:A:ARG:HG3	10	0.26
(2,38)	1:12:A:ILE:HD11	1:15:A:ARG:HG3	11	0.26
(2,38)	1:12:A:ILE:HD11	1:15:A:ARG:HG3	13	0.26
(2,38)	1:12:A:ILE:HD12	1:15:A:ARG:HG3	16	0.26
(2,38)	1:12:A:ILE:HD13	1:15:A:ARG:HG3	17	0.26
(2,38)	1:12:A:ILE:HD13	1:15:A:ARG:HG3	18	0.26
(2,38)	1:12:A:ILE:HD12	1:15:A:ARG:HG3	20	0.26
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	3	0.26
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	3	0.26
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	10	0.26
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	10	0.26
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	13	0.26
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	14	0.26
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	14	0.26
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	17	0.26
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	17	0.26
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	18	0.26
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	18	0.26
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	2	0.26
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	3	0.26
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	6	0.26
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	7	0.26
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	9	0.26
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	10	0.26
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	14	0.26
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	16	0.26
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	17	0.26
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	18	0.26
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	19	0.26
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	20	0.26
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	4	0.26
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	4	0.26
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	8	0.26
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	8	0.26
(1,668)	1:14:A:GLN:HE21	1:14:A:GLN:H	15	0.26
(1,668)	1:14:A:GLN:HE22	1:14:A:GLN:H	15	0.26
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	1	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	1	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	1	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	1	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	1	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	1	0.26
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	2	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	2	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	2	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	2	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	2	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	2	0.26
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	3	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	3	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	3	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	3	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	3	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	5	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	5	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	5	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	5	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	5	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	5	0.26
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	6	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	6	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	6	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	6	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	6	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	6	0.26
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	7	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	7	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	7	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	7	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	7	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	7	0.26
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	9	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	9	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	9	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	9	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	9	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	9	0.26
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	10	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	10	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	10	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	10	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	10	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	10	0.26
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	11	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	11	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	11	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	11	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	11	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	11	0.26
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	12	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	12	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	12	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	12	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	12	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	13	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	13	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	13	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	13	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	13	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	13	0.26
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	14	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	14	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	14	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	14	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	14	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	14	0.26
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	16	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	16	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	16	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	16	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	16	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	16	0.26
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	17	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	17	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	17	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	17	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	17	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	17	0.26
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	18	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	18	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	18	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	18	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	18	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	18	0.26
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	19	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	19	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	19	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	19	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	19	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	19	0.26
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	20	0.26
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	20	0.26
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	20	0.26
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	20	0.26
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	20	0.26
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	1	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	1	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	1	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	1	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	1	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	1	0.26
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	2	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	2	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	2	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	2	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	2	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	2	0.26
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	3	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	3	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	3	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	3	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	3	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	3	0.26
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	5	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	5	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	5	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	5	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	5	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	5	0.26
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	6	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	6	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	6	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	6	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	6	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	6	0.26
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	7	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	7	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	7	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	7	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	7	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	7	0.26
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	9	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	9	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	9	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	9	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	9	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	10	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	10	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	10	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	10	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	10	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	10	0.26
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	11	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	11	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	11	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	11	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	11	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	11	0.26
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	12	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	12	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	12	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	12	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	12	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	12	0.26
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	13	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	13	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	13	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	13	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	13	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	13	0.26
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	14	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	14	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	14	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	14	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	14	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	14	0.26
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	16	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	16	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	16	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	16	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	16	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	16	0.26
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	17	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	17	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	17	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	17	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	17	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	18	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	18	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	18	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	18	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	18	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	18	0.26
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	19	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	19	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	19	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	19	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	19	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	19	0.26
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	20	0.26
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	20	0.26
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	20	0.26
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	20	0.26
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	20	0.26
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	20	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	1	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	2	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	3	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	5	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	6	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	7	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	9	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	10	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	13	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	14	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	15	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	16	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	17	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	18	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	19	0.26
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	20	0.26
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	2	0.26
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	3	0.26
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	5	0.26
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	6	0.26
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	7	0.26
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	9	0.26
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	10	0.26
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	16	0.26
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	17	0.26
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	18	0.26
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	20	0.26
(1,596)	1:12:A:ILE:HA	1:14:A:GLN:HE21	15	0.26
(1,596)	1:12:A:ILE:HA	1:14:A:GLN:HE22	15	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	1	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	1	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	2	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	2	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	3	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	3	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	5	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	5	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	6	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	6	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	7	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	7	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	9	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	9	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	10	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	10	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	11	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	11	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	13	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	13	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	14	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	14	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	17	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	17	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	18	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	18	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	19	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	19	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	20	0.26
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	20	0.26
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	1	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	1	0.26
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	2	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	2	0.26
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	3	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	5	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	5	0.26
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	6	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	6	0.26
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	7	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	7	0.26
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	9	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	9	0.26
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	10	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	10	0.26
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	11	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	11	0.26
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	13	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	13	0.26
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	14	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	14	0.26
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	16	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	16	0.26
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	17	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	17	0.26
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	18	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	18	0.26
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	19	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	19	0.26
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	20	0.26
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	20	0.26
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	4	0.26
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	4	0.26
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	8	0.26
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	8	0.26
(1,480)	1:10:A:ASP:HA	1:11:A:PHE:H	15	0.26
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	4	0.26
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	4	0.26
(1,464)	1:9:A:ARG:HB2	1:13:A:LEU:H	8	0.26
(1,464)	1:9:A:ARG:HB3	1:13:A:LEU:H	8	0.26
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	4	0.26
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	4	0.26
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	4	0.26
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	8	0.26
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	8	0.26
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	8	0.26
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	2	0.26
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	3	0.26
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	3	0.26
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	5	0.26
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	5	0.26
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	7	0.26
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	7	0.26
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	10	0.26
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	10	0.26
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	11	0.26
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	11	0.26
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	13	0.26
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	13	0.26
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	15	0.26
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	15	0.26
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	16	0.26
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	16	0.26
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	17	0.26
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	17	0.26
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	18	0.26
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	18	0.26
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	19	0.26
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	19	0.26
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	20	0.26
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	20	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	1	0.26
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	1	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	2	0.26
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	2	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	3	0.26
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	3	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	6	0.26
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	6	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	7	0.26
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	7	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	9	0.26
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	9	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	10	0.26
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	10	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	11	0.26
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	11	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	13	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	14	0.26
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	14	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	15	0.26
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	15	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	16	0.26
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	16	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	17	0.26
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	17	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	18	0.26
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	18	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	19	0.26
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	19	0.26
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	20	0.26
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	20	0.26
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	4	0.26
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	4	0.26
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	4	0.26
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	4	0.26
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	4	0.26
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	4	0.26
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	4	0.26
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	4	0.26
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	4	0.26
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	4	0.26
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	4	0.26
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	4	0.26
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	8	0.26
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	8	0.26
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	8	0.26
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	8	0.26
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	8	0.26
(1,358)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	8	0.26
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	8	0.26
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	8	0.26
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	8	0.26
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	8	0.26
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	8	0.26
(1,358)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	8	0.26
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	4	0.26
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	4	0.26
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	4	0.26
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	4	0.26
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	4	0.26
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	4	0.26
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	4	0.26
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	4	0.26
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	4	0.26
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	4	0.26
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	4	0.26
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	8	0.26
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	8	0.26
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	8	0.26
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	8	0.26
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	8	0.26
(1,357)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	8	0.26
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	8	0.26
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	8	0.26
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	8	0.26
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	8	0.26
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	8	0.26
(1,357)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	8	0.26
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	1	0.26
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	1	0.26
(1,345)	1:7:A:PHE:HE1	1:12:A:ILE:HA	15	0.26
(1,345)	1:7:A:PHE:HE2	1:12:A:ILE:HA	15	0.26
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	9	0.26
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	4	0.26
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	4	0.26
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	4	0.26
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	4	0.26
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	8	0.26
(1,275)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	8	0.26
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	8	0.26
(1,275)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	8	0.26
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	1	0.26
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	11	0.26
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	12	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	1	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	1	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	1	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	3	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	3	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	6	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	6	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	6	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	7	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	7	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	7	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	10	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	10	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	10	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	11	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	11	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	11	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	12	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	12	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	12	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	15	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	15	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	15	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	16	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	16	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	16	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	17	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	17	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	17	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	20	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	20	0.26
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	20	0.26
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	8	0.26
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	8	0.26
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	8	0.26
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	8	0.26
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	8	0.26
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	8	0.26
(1,158)	1:4:A:LEU:H	1:5:A:SER:HA	9	0.26
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	14	0.26
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	14	0.26
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	14	0.26
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	14	0.26
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	14	0.26
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	14	0.26
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	19	0.26
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	19	0.26
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	19	0.26
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	19	0.26
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	19	0.26
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	14	0.26
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	14	0.26
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	14	0.26
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	14	0.26
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	14	0.26
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	14	0.26
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	19	0.26
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	19	0.26
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	19	0.26
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	19	0.26
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	19	0.26
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	19	0.26
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	6	0.26
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	7	0.26
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	8	0.26
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	10	0.26
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	18	0.26
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	2	0.26
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	2	0.26
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	4	0.26
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	4	0.26
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	6	0.26
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	6	0.26
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	7	0.26
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	7	0.26
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	8	0.26
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	8	0.26
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	9	0.26
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	9	0.26
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	10	0.26
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	10	0.26
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	12	0.26
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	12	0.26
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	13	0.26
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	13	0.26
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	16	0.26
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	17	0.26
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	17	0.26
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	18	0.26
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	18	0.26
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	19	0.26
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	19	0.26
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	2	0.26
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	2	0.26
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	4	0.26
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	4	0.26
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	6	0.26
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	6	0.26
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	7	0.26
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	7	0.26
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	8	0.26
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	8	0.26
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	9	0.26
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	9	0.26
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	10	0.26
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	10	0.26
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	12	0.26
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	12	0.26
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	13	0.26
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	13	0.26
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	16	0.26
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	16	0.26
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	17	0.26
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	17	0.26
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	18	0.26
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	18	0.26
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	19	0.26
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	19	0.26
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	2	0.26
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	2	0.26
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	13	0.26
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	13	0.26
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB2	9	0.26
(1,85)	1:3:A:ARG:HA	1:4:A:LEU:HB3	9	0.26
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	1	0.25
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	1	0.25
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	2	0.25
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	5	0.25
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	5	0.25
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	16	0.25
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	16	0.25
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	19	0.25
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	19	0.25
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	20	0.25
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	20	0.25
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	1	0.25
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	5	0.25
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	12	0.25
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	1	0.25
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	1	0.25
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	2	0.25
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	2	0.25
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	3	0.25
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	3	0.25
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	6	0.25
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	6	0.25
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	7	0.25
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	7	0.25
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	9	0.25
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	9	0.25
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	10	0.25
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	10	0.25
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	11	0.25
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	11	0.25
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	12	0.25
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	12	0.25
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	13	0.25
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	13	0.25
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	14	0.25
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	14	0.25
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	16	0.25
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	16	0.25
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	17	0.25
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	17	0.25
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	18	0.25
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	18	0.25
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	19	0.25
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	19	0.25
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	20	0.25
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	11	0.25
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	11	0.25
(1,635)	1:13:A:LEU:HD11	1:14:A:GLN:HE21	4	0.25
(1,635)	1:13:A:LEU:HD11	1:14:A:GLN:HE22	4	0.25
(1,635)	1:13:A:LEU:HD12	1:14:A:GLN:HE21	4	0.25
(1,635)	1:13:A:LEU:HD12	1:14:A:GLN:HE22	4	0.25
(1,635)	1:13:A:LEU:HD13	1:14:A:GLN:HE21	4	0.25
(1,635)	1:13:A:LEU:HD13	1:14:A:GLN:HE22	4	0.25
(1,635)	1:13:A:LEU:HD21	1:14:A:GLN:HE21	4	0.25
(1,635)	1:13:A:LEU:HD21	1:14:A:GLN:HE22	4	0.25
(1,635)	1:13:A:LEU:HD22	1:14:A:GLN:HE21	4	0.25
(1,635)	1:13:A:LEU:HD22	1:14:A:GLN:HE22	4	0.25
(1,635)	1:13:A:LEU:HD23	1:14:A:GLN:HE21	4	0.25
(1,635)	1:13:A:LEU:HD23	1:14:A:GLN:HE22	4	0.25
(1,635)	1:13:A:LEU:HD11	1:14:A:GLN:HE21	8	0.25
(1,635)	1:13:A:LEU:HD11	1:14:A:GLN:HE22	8	0.25
(1,635)	1:13:A:LEU:HD12	1:14:A:GLN:HE21	8	0.25
(1,635)	1:13:A:LEU:HD12	1:14:A:GLN:HE22	8	0.25
(1,635)	1:13:A:LEU:HD13	1:14:A:GLN:HE21	8	0.25
(1,635)	1:13:A:LEU:HD13	1:14:A:GLN:HE22	8	0.25
(1,635)	1:13:A:LEU:HD21	1:14:A:GLN:HE21	8	0.25
(1,635)	1:13:A:LEU:HD21	1:14:A:GLN:HE22	8	0.25
(1,635)	1:13:A:LEU:HD22	1:14:A:GLN:HE21	8	0.25
(1,635)	1:13:A:LEU:HD22	1:14:A:GLN:HE22	8	0.25
(1,635)	1:13:A:LEU:HD23	1:14:A:GLN:HE21	8	0.25
(1,635)	1:13:A:LEU:HD23	1:14:A:GLN:HE22	8	0.25
(1,632)	1:13:A:LEU:HD11	1:14:A:GLN:HE21	4	0.25
(1,632)	1:13:A:LEU:HD11	1:14:A:GLN:HE22	4	0.25
(1,632)	1:13:A:LEU:HD12	1:14:A:GLN:HE21	4	0.25
(1,632)	1:13:A:LEU:HD12	1:14:A:GLN:HE22	4	0.25
(1,632)	1:13:A:LEU:HD13	1:14:A:GLN:HE21	4	0.25
(1,632)	1:13:A:LEU:HD13	1:14:A:GLN:HE22	4	0.25
(1,632)	1:13:A:LEU:HD21	1:14:A:GLN:HE21	4	0.25
(1,632)	1:13:A:LEU:HD21	1:14:A:GLN:HE22	4	0.25
(1,632)	1:13:A:LEU:HD22	1:14:A:GLN:HE21	4	0.25
(1,632)	1:13:A:LEU:HD22	1:14:A:GLN:HE22	4	0.25
(1,632)	1:13:A:LEU:HD23	1:14:A:GLN:HE21	4	0.25
(1,632)	1:13:A:LEU:HD23	1:14:A:GLN:HE22	4	0.25
(1,632)	1:13:A:LEU:HD11	1:14:A:GLN:HE21	8	0.25
(1,632)	1:13:A:LEU:HD11	1:14:A:GLN:HE22	8	0.25
(1,632)	1:13:A:LEU:HD12	1:14:A:GLN:HE21	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:13:A:LEU:HD12	1:14:A:GLN:HE22	8	0.25
(1,632)	1:13:A:LEU:HD13	1:14:A:GLN:HE21	8	0.25
(1,632)	1:13:A:LEU:HD13	1:14:A:GLN:HE22	8	0.25
(1,632)	1:13:A:LEU:HD21	1:14:A:GLN:HE21	8	0.25
(1,632)	1:13:A:LEU:HD21	1:14:A:GLN:HE22	8	0.25
(1,632)	1:13:A:LEU:HD22	1:14:A:GLN:HE21	8	0.25
(1,632)	1:13:A:LEU:HD22	1:14:A:GLN:HE22	8	0.25
(1,632)	1:13:A:LEU:HD23	1:14:A:GLN:HE21	8	0.25
(1,632)	1:13:A:LEU:HD23	1:14:A:GLN:HE22	8	0.25
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	12	0.25
(1,615)	1:13:A:LEU:HA	1:13:A:LEU:HG	4	0.25
(1,615)	1:13:A:LEU:HA	1:13:A:LEU:HG	8	0.25
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	15	0.25
(1,500)	1:10:A:ASP:HB2	1:12:A:ILE:H	15	0.25
(1,500)	1:10:A:ASP:HB3	1:12:A:ILE:H	15	0.25
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB2	15	0.25
(1,457)	1:9:A:ARG:HA	1:13:A:LEU:HB3	15	0.25
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	1	0.25
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	1	0.25
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	6	0.25
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	6	0.25
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	9	0.25
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	9	0.25
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	12	0.25
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	12	0.25
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	14	0.25
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	14	0.25
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	5	0.25
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	5	0.25
(1,399)	1:8:A:PHE:HD1	1:11:A:PHE:HA	12	0.25
(1,399)	1:8:A:PHE:HD2	1:11:A:PHE:HA	12	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	1	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	1	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	1	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	1	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	2	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	2	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	2	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	2	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	3	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	3	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	3	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	5	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	5	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	5	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	5	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	6	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	6	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	6	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	6	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	7	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	7	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	7	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	7	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	10	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	10	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	10	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	10	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	11	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	11	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	11	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	11	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	12	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	12	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	12	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	12	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	13	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	13	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	13	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	13	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	14	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	14	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	14	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	14	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	16	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	16	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	16	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	16	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	17	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	17	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	17	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	17	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	18	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	18	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	18	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	19	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	19	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	19	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	19	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	20	0.25
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	20	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	20	0.25
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	20	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	1	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	2	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	3	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	4	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	5	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	6	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	7	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	8	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	10	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	11	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	12	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	13	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	14	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	15	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	16	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	17	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	18	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	19	0.25
(1,286)	1:7:A:PHE:HA	1:8:A:PHE:H	20	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	1	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	2	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	3	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	4	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	5	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	6	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	7	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	8	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	9	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	10	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	11	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	13	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	14	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	15	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	16	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	17	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	18	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	19	0.25
(1,281)	1:7:A:PHE:H	1:7:A:PHE:HZ	20	0.25
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	2	0.25
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	2	0.25
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	2	0.25
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	5	0.25
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	5	0.25
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	5	0.25
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	13	0.25
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	13	0.25
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	13	0.25
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	14	0.25
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	14	0.25
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	14	0.25
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB1	19	0.25
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB2	19	0.25
(1,164)	1:4:A:LEU:H	1:6:A:ALA:HB3	19	0.25
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	1	0.25
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	1	0.25
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	1	0.25
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	1	0.25
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	1	0.25
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	1	0.25
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	3	0.25
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	3	0.25
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	3	0.25
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	3	0.25
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	3	0.25
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	3	0.25
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	4	0.25
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	4	0.25
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	4	0.25
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	4	0.25
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	4	0.25
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	4	0.25
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	6	0.25
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	6	0.25
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	6	0.25
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	6	0.25
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	6	0.25
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	7	0.25
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	7	0.25
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	7	0.25
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	7	0.25
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	7	0.25
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	7	0.25
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	10	0.25
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	10	0.25
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	10	0.25
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	10	0.25
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	10	0.25
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	10	0.25
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	11	0.25
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	11	0.25
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	11	0.25
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	11	0.25
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	11	0.25
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	11	0.25
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	12	0.25
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	12	0.25
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	12	0.25
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	12	0.25
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	12	0.25
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	12	0.25
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	15	0.25
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	15	0.25
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	15	0.25
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	15	0.25
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	15	0.25
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	15	0.25
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	16	0.25
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	16	0.25
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	16	0.25
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	16	0.25
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	16	0.25
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	16	0.25
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	17	0.25
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	17	0.25
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	17	0.25
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	17	0.25
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	17	0.25
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	18	0.25
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	18	0.25
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	18	0.25
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	18	0.25
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	18	0.25
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	18	0.25
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	20	0.25
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	20	0.25
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	20	0.25
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	20	0.25
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	20	0.25
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	20	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	1	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	1	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	1	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	1	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	1	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	1	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	2	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	2	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	2	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	2	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	2	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	2	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	3	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	3	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	3	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	3	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	3	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	3	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	4	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	4	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	4	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	4	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	4	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	4	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	5	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	5	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	5	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	5	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	5	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	6	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	6	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	6	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	6	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	6	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	6	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	7	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	7	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	7	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	7	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	7	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	7	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	8	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	8	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	8	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	8	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	8	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	8	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	9	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	9	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	9	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	9	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	9	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	9	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	10	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	10	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	10	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	10	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	10	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	10	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	11	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	11	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	11	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	11	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	11	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	11	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	12	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	12	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	12	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	12	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	12	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	13	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	13	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	13	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	13	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	13	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	13	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	15	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	15	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	15	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	15	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	15	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	15	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	16	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	16	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	16	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	16	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	16	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	16	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	17	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	17	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	17	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	17	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	17	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	17	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	18	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	18	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	18	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	18	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	18	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	18	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD11	20	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD12	20	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD13	20	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD21	20	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD22	20	0.25
(1,126)	1:4:A:LEU:HA	1:4:A:LEU:HD23	20	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	1	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	1	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	1	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	1	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	1	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	2	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	2	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	2	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	2	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	2	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	2	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	3	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	3	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	3	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	3	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	3	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	3	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	4	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	4	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	4	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	4	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	4	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	4	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	5	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	5	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	5	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	5	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	5	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	5	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	6	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	6	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	6	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	6	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	6	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	6	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	7	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	7	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	7	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	7	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	7	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	7	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	8	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	8	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	8	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	8	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	8	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	9	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	9	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	9	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	9	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	9	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	9	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	10	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	10	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	10	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	10	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	10	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	10	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	11	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	11	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	11	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	11	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	11	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	11	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	12	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	12	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	12	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	12	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	12	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	12	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	13	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	13	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	13	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	13	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	13	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	13	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	15	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	15	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	15	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	15	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	15	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	15	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	16	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	16	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	16	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	16	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	16	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	17	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	17	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	17	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	17	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	17	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	17	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	18	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	18	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	18	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	18	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	18	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	18	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD11	20	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD12	20	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD13	20	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD21	20	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD22	20	0.25
(1,125)	1:4:A:LEU:HA	1:4:A:LEU:HD23	20	0.25
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	3	0.25
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	4	0.25
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	5	0.25
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	20	0.25
(1,110)	1:3:A:ARG:HB2	1:5:A:SER:H	1	0.25
(1,110)	1:3:A:ARG:HB3	1:5:A:SER:H	1	0.25
(1,109)	1:3:A:ARG:HB2	1:5:A:SER:H	1	0.25
(1,109)	1:3:A:ARG:HB3	1:5:A:SER:H	1	0.25
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	5	0.25
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	5	0.25
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	14	0.25
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	14	0.25
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB2	19	0.25
(1,98)	1:3:A:ARG:H	1:4:A:LEU:HB3	19	0.25
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	17	0.25
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	17	0.25
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	17	0.25
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	19	0.25
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	19	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	1	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	1	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	1	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	1	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	1	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	1	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	1	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	1	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	1	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	1	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	1	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	1	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	3	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	3	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	3	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	3	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	3	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	3	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	3	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	3	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	3	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	3	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	3	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	3	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	4	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	4	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	4	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	4	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	4	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	4	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	4	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	4	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	4	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	4	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	4	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	4	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	6	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	6	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	6	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	6	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	6	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	6	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	6	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	6	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	6	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	6	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	6	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	7	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	7	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	7	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	7	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	7	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	7	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	7	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	7	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	7	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	7	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	7	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	7	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	8	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	8	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	8	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	8	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	8	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	8	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	8	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	8	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	8	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	8	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	8	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	8	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	10	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	10	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	10	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	10	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	10	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	10	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	10	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	10	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	10	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	10	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	10	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	15	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	15	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	15	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	15	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	15	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	15	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	15	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	15	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	15	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	15	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	15	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	15	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	16	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	16	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	16	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	16	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	16	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	16	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	16	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	16	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	16	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	16	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	16	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	16	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	18	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	18	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	18	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	18	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	18	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	18	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	18	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	18	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	18	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	18	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	18	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	18	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	20	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	20	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	20	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	20	0.25
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	20	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	20	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	20	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	20	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	20	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	20	0.25
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	20	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	1	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	1	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	1	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	1	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	1	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	1	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	1	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	1	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	1	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	1	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	1	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	1	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	3	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	3	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	3	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	3	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	3	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	3	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	3	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	3	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	3	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	3	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	3	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	3	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	4	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	4	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	4	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	4	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	4	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	4	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	4	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	4	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	4	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	4	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	4	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	6	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	6	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	6	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	6	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	6	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	6	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	6	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	6	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	6	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	6	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	6	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	6	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	7	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	7	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	7	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	7	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	7	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	7	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	7	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	7	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	7	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	7	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	7	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	7	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	8	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	8	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	8	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	8	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	8	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	8	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	8	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	8	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	8	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	8	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	8	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	8	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	10	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	10	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	10	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	10	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	10	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	10	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	10	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	10	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	10	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	10	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	10	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	15	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	15	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	15	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	15	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	15	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	15	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	15	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	15	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	15	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	15	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	15	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	15	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	16	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	16	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	16	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	16	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	16	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	16	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	16	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	16	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	16	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	16	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	16	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	16	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	18	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	18	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	18	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	18	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	18	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	18	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	18	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	18	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	18	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	18	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	18	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	20	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	20	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	20	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	20	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	20	0.25
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	20	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	20	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	20	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	20	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	20	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	20	0.25
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	20	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	1	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	1	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	1	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	1	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	1	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	1	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	1	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	1	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	1	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	1	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	1	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	1	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	3	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	3	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	3	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	3	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	3	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	3	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	3	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	3	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	3	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	3	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	3	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	3	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	4	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	4	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	4	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	4	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	4	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	4	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	4	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	4	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	4	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	4	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	4	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	6	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	6	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	6	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	6	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	6	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	6	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	6	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	6	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	6	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	6	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	6	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	6	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	7	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	7	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	7	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	7	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	7	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	7	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	7	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	7	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	7	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	7	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	7	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	7	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	8	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	8	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	8	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	8	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	8	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	8	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	8	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	8	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	8	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	8	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	8	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	10	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	10	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	10	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	10	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	10	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	10	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	10	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	10	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	10	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	10	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	10	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	10	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	15	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	15	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	15	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	15	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	15	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	15	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	15	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	15	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	15	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	15	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	15	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	15	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	16	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	16	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	16	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	16	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	16	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	16	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	16	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	16	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	16	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	16	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	16	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	16	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	18	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	18	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	18	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	18	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	18	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	18	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	18	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	18	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	18	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	18	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	18	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	20	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	20	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	20	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	20	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	20	0.25
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	20	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	20	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	20	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	20	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	20	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	20	0.25
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	20	0.25
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	6	0.24
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	6	0.24
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	5	0.24
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	5	0.24
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	4	0.24
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	4	0.24
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	8	0.24
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	8	0.24
(1,628)	1:13:A:LEU:HA	1:14:A:GLN:H	11	0.24
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD11	4	0.24
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD12	4	0.24
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD13	4	0.24
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD21	4	0.24
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD22	4	0.24
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD23	4	0.24
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD11	8	0.24
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD12	8	0.24
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD13	8	0.24
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD21	8	0.24
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD22	8	0.24
(1,614)	1:13:A:LEU:HA	1:13:A:LEU:HD23	8	0.24
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	11	0.24
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE21	15	0.24
(1,551)	1:11:A:PHE:HA	1:14:A:GLN:HE22	15	0.24
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	15	0.24
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	15	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	1	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	1	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	1	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	1	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	1	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	1	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	2	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	2	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	2	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	2	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	2	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	2	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	5	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	5	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	5	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	5	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	5	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	5	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	6	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	6	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	6	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	6	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	6	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	6	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	7	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	7	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	7	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	7	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	7	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	7	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	10	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	10	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	10	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	10	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	10	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	10	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	11	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	11	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	11	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	11	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	11	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	12	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	12	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	12	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	12	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	12	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	12	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	13	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	13	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	13	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	13	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	13	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	13	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	16	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	16	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	16	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	16	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	16	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	16	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	17	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	17	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	17	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	17	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	17	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	17	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	19	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	19	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	19	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	19	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	19	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	19	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	20	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	20	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	20	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	20	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	20	0.24
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	20	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	1	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	1	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	1	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	1	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	1	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	2	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	2	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	2	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	2	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	2	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	2	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	5	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	5	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	5	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	5	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	5	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	5	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	6	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	6	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	6	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	6	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	6	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	6	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	7	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	7	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	7	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	7	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	7	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	7	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	10	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	10	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	10	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	10	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	10	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	10	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	11	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	11	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	11	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	11	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	11	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	11	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	12	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	12	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	12	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	12	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	12	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	13	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	13	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	13	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	13	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	13	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	13	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	16	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	16	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	16	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	16	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	16	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	16	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	17	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	17	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	17	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	17	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	17	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	17	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	19	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	19	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	19	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	19	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	19	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	19	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	20	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	20	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	20	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	20	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	20	0.24
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	20	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	1	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	1	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	1	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	2	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	2	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	2	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	3	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	3	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	5	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	5	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	5	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	6	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	6	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	6	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	7	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	7	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	7	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	10	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	10	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	10	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	11	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	11	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	11	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	13	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	13	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	13	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	14	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	14	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	14	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	15	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	15	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	15	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	16	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	16	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	16	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	17	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	17	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	17	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	18	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	18	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	18	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	19	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	19	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	19	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	20	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	20	0.24
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	20	0.24
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	4	0.24
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	4	0.24
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	4	0.24
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	8	0.24
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	8	0.24
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	8	0.24
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	8	0.24
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	9	0.24
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	9	0.24
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	9	0.24
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	9	0.24
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	15	0.24
(1,320)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	15	0.24
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	15	0.24
(1,320)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	15	0.24
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	9	0.24
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	9	0.24
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	17	0.24
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	2	0.24
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	2	0.24
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	2	0.24
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	2	0.24
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	2	0.24
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	2	0.24
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	5	0.24
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	5	0.24
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	5	0.24
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	5	0.24
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	5	0.24
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	5	0.24
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	13	0.24
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	13	0.24
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	13	0.24
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	13	0.24
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	13	0.24
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	13	0.24
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	14	0.24
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	14	0.24
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	14	0.24
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	14	0.24
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	14	0.24
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	14	0.24
(1,163)	1:4:A:LEU:HD11	1:6:A:ALA:H	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:4:A:LEU:HD12	1:6:A:ALA:H	19	0.24
(1,163)	1:4:A:LEU:HD13	1:6:A:ALA:H	19	0.24
(1,163)	1:4:A:LEU:HD21	1:6:A:ALA:H	19	0.24
(1,163)	1:4:A:LEU:HD22	1:6:A:ALA:H	19	0.24
(1,163)	1:4:A:LEU:HD23	1:6:A:ALA:H	19	0.24
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	11	0.24
(1,121)	1:3:A:ARG:HA	1:8:A:PHE:H	15	0.24
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	2	0.24
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	2	0.24
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	2	0.24
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	5	0.24
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	5	0.24
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	5	0.24
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	13	0.24
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	13	0.24
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	13	0.24
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	14	0.24
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	14	0.24
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	14	0.24
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	11	0.24
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	11	0.24
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	11	0.24
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	11	0.24
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	11	0.24
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	11	0.24
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	11	0.24
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	11	0.24
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	11	0.24
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	11	0.24
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	11	0.24
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	11	0.24
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	12	0.24
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	12	0.24
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	12	0.24
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	12	0.24
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	12	0.24
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	12	0.24
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	12	0.24
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	12	0.24
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	12	0.24
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	12	0.24
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	12	0.24
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	11	0.24
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	11	0.24
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	11	0.24
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	11	0.24
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	11	0.24
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	11	0.24
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	11	0.24
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	11	0.24
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	11	0.24
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	11	0.24
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	11	0.24
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	11	0.24
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	12	0.24
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	12	0.24
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	12	0.24
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	12	0.24
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	12	0.24
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	12	0.24
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	12	0.24
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	12	0.24
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	12	0.24
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	12	0.24
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	12	0.24
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	12	0.24
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	11	0.24
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	11	0.24
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	11	0.24
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	11	0.24
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	11	0.24
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	11	0.24
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	11	0.24
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	11	0.24
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	11	0.24
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	11	0.24
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	11	0.24
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	11	0.24
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	12	0.24
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	12	0.24
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	12	0.24
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	12	0.24
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	12	0.24
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	12	0.24
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	12	0.24
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	12	0.24
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	12	0.24
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	12	0.24
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	12	0.24
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	3	0.23
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	3	0.23
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	9	0.23
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	9	0.23
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	10	0.23
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	10	0.23
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	16	0.23
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	16	0.23
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	18	0.23
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	18	0.23
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	20	0.23
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	20	0.23
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	15	0.23
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	15	0.23
(1,637)	1:13:A:LEU:HD11	1:14:A:GLN:H	15	0.23
(1,637)	1:13:A:LEU:HD12	1:14:A:GLN:H	15	0.23
(1,637)	1:13:A:LEU:HD13	1:14:A:GLN:H	15	0.23
(1,637)	1:13:A:LEU:HD21	1:14:A:GLN:H	15	0.23
(1,637)	1:13:A:LEU:HD22	1:14:A:GLN:H	15	0.23
(1,637)	1:13:A:LEU:HD23	1:14:A:GLN:H	15	0.23
(1,634)	1:13:A:LEU:HD11	1:14:A:GLN:H	15	0.23
(1,634)	1:13:A:LEU:HD12	1:14:A:GLN:H	15	0.23
(1,634)	1:13:A:LEU:HD13	1:14:A:GLN:H	15	0.23
(1,634)	1:13:A:LEU:HD21	1:14:A:GLN:H	15	0.23
(1,634)	1:13:A:LEU:HD22	1:14:A:GLN:H	15	0.23
(1,634)	1:13:A:LEU:HD23	1:14:A:GLN:H	15	0.23
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB2	15	0.23
(1,582)	1:12:A:ILE:HA	1:13:A:LEU:HB3	15	0.23
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	4	0.23
(1,516)	1:10:A:ASP:HA	1:14:A:GLN:HA	8	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	1	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	1	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	2	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	2	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	3	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	5	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	5	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	6	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	6	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	7	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	7	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	9	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	9	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	10	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	10	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	11	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	11	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	12	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	12	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	13	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	13	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	14	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	14	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	16	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	16	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	17	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	17	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	18	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	18	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	19	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	19	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB2	20	0.23
(1,490)	1:10:A:ASP:H	1:11:A:PHE:HB3	20	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	3	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	3	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	3	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	3	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	3	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	3	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	9	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	9	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	9	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	9	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	9	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	9	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	14	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	14	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	14	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	14	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	14	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	15	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	15	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	15	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	15	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	15	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	15	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD11	18	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD12	18	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD13	18	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD21	18	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD22	18	0.23
(1,467)	1:9:A:ARG:HE	1:13:A:LEU:HD23	18	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	3	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	3	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	3	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	3	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	3	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	3	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	9	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	9	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	9	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	9	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	9	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	9	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	14	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	14	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	14	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	14	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	14	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	14	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	15	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	15	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	15	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	15	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	15	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	15	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD11	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD12	18	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD13	18	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD21	18	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD22	18	0.23
(1,466)	1:9:A:ARG:HE	1:13:A:LEU:HD23	18	0.23
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	9	0.23
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	9	0.23
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	9	0.23
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD11	12	0.23
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD12	12	0.23
(1,451)	1:9:A:ARG:HA	1:12:A:ILE:HD13	12	0.23
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	4	0.23
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	8	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	1	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	1	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	1	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	1	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	3	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	3	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	3	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	3	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	5	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	5	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	5	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	5	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	7	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	7	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	7	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	7	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	9	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	9	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	9	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	9	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	10	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	10	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	10	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	10	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	12	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	12	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	12	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	12	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	15	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	15	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	15	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	17	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	17	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	17	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	17	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	19	0.23
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	19	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	19	0.23
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	19	0.23
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	4	0.23
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	4	0.23
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	4	0.23
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	4	0.23
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	8	0.23
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	8	0.23
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	8	0.23
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	8	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	2	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	2	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	3	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	3	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	5	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	5	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	6	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	6	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	7	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	7	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	9	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	9	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	10	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	10	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	11	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	11	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	12	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	12	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	14	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	14	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	15	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	15	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	18	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	19	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	19	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	20	0.23
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	20	0.23
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	1	0.23
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	1	0.23
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	3	0.23
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	3	0.23
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	4	0.23
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	4	0.23
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	6	0.23
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	6	0.23
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	7	0.23
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	7	0.23
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	8	0.23
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	8	0.23
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	10	0.23
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	10	0.23
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	11	0.23
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	11	0.23
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	12	0.23
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	12	0.23
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	15	0.23
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	15	0.23
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	16	0.23
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	16	0.23
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	18	0.23
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	18	0.23
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	20	0.23
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	20	0.23
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	9	0.23
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	13	0.23
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	1	0.23
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	1	0.23
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	3	0.23
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	3	0.23
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	4	0.23
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	4	0.23
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	6	0.23
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	6	0.23
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	7	0.23
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	8	0.23
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	8	0.23
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	9	0.23
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	9	0.23
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	10	0.23
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	10	0.23
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	11	0.23
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	11	0.23
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	12	0.23
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	12	0.23
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	15	0.23
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	15	0.23
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	16	0.23
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	16	0.23
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	17	0.23
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	17	0.23
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	18	0.23
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	18	0.23
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	20	0.23
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	20	0.23
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HA	9	0.23
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD2	12	0.22
(1,735)	1:16:A:LYS:HA	1:17:A:LYS:HD3	12	0.22
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	15	0.22
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	1	0.22
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	1	0.22
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	2	0.22
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	2	0.22
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	5	0.22
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	5	0.22
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	6	0.22
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	6	0.22
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	7	0.22
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	7	0.22
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	12	0.22
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	12	0.22
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	13	0.22
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	13	0.22
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	14	0.22
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	14	0.22
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	17	0.22
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	19	0.22
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	19	0.22
(1,679)	1:14:A:GLN:HG2	1:17:A:LYS:HA	11	0.22
(1,679)	1:14:A:GLN:HG3	1:17:A:LYS:HA	11	0.22
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	15	0.22
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	15	0.22
(1,593)	1:12:A:ILE:H	1:13:A:LEU:HB2	4	0.22
(1,593)	1:12:A:ILE:H	1:13:A:LEU:HB3	4	0.22
(1,593)	1:12:A:ILE:H	1:13:A:LEU:HB2	8	0.22
(1,593)	1:12:A:ILE:H	1:13:A:LEU:HB3	8	0.22
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	5	0.22
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	5	0.22
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	5	0.22
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	5	0.22
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	5	0.22
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	5	0.22
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	5	0.22
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	5	0.22
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	5	0.22
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	5	0.22
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	5	0.22
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	5	0.22
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	14	0.22
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	14	0.22
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	14	0.22
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	14	0.22
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	14	0.22
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	14	0.22
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	14	0.22
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	14	0.22
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	14	0.22
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	14	0.22
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	14	0.22
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	14	0.22
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	4	0.22
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	4	0.22
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	8	0.22
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	8	0.22
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	1	0.22
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	1	0.22
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	9	0.22
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	6	0.22
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	9	0.22
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	13	0.22
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	14	0.22
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	4	0.22
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	4	0.22
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	4	0.22
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	4	0.22
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	8	0.22
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	8	0.22
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	8	0.22
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	8	0.22
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	12	0.22
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	12	0.22
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	12	0.22
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	12	0.22
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	15	0.22
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	15	0.22
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	15	0.22
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	15	0.22
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	19	0.22
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	19	0.22
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	19	0.22
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	19	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	2	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	2	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	2	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	2	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	4	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	4	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	4	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	4	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	6	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	6	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	6	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	6	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	8	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	8	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	8	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	8	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	11	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	11	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	11	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	13	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	13	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	13	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	13	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	14	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	14	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	14	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	14	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	16	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	16	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	16	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	16	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	18	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	18	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	18	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	18	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE1	20	0.22
(1,332)	1:7:A:PHE:HE1	1:11:A:PHE:HE2	20	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE1	20	0.22
(1,332)	1:7:A:PHE:HE2	1:11:A:PHE:HE2	20	0.22
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	1	0.22
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	1	0.22
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	4	0.22
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	4	0.22
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	8	0.22
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	8	0.22
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	13	0.22
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	13	0.22
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	16	0.22
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	16	0.22
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB2	17	0.22
(1,248)	1:6:A:ALA:H	1:7:A:PHE:HB3	17	0.22
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	2	0.22
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	2	0.22
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	5	0.22
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	5	0.22
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	13	0.22
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	13	0.22
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	14	0.22
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	17	0.22
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	17	0.22
(1,238)	1:5:A:SER:HB2	1:8:A:PHE:H	19	0.22
(1,238)	1:5:A:SER:HB3	1:8:A:PHE:H	19	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	1	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	1	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	2	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	2	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	3	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	3	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	5	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	5	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	6	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	6	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	7	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	7	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	10	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	10	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	11	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	11	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	12	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	12	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	13	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	13	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	14	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	14	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	15	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	15	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	16	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	16	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	17	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	17	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	18	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	18	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	20	0.22
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	20	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	1	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	1	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	2	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	2	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	3	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	5	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	5	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	6	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	6	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	7	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	7	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	10	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	10	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	11	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	11	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	12	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	12	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	13	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	13	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	14	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	14	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	15	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	15	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	16	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	16	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	17	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	17	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	18	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	18	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	20	0.22
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	20	0.22
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	2	0.22
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	5	0.22
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	19	0.22
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	2	0.22
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	2	0.22
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	5	0.22
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	5	0.22
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	13	0.22
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	13	0.22
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	14	0.22
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	14	0.22
(1,144)	1:4:A:LEU:HB2	1:5:A:SER:H	19	0.22
(1,144)	1:4:A:LEU:HB3	1:5:A:SER:H	19	0.22
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG2	12	0.21
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG3	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	5	0.21
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	5	0.21
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	7	0.21
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	7	0.21
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	10	0.21
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	10	0.21
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	13	0.21
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	13	0.21
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	14	0.21
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	14	0.21
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	16	0.21
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	16	0.21
(1,650)	1:13:A:LEU:HD11	1:16:A:LYS:HE2	4	0.21
(1,650)	1:13:A:LEU:HD11	1:16:A:LYS:HE3	4	0.21
(1,650)	1:13:A:LEU:HD12	1:16:A:LYS:HE2	4	0.21
(1,650)	1:13:A:LEU:HD12	1:16:A:LYS:HE3	4	0.21
(1,650)	1:13:A:LEU:HD13	1:16:A:LYS:HE2	4	0.21
(1,650)	1:13:A:LEU:HD13	1:16:A:LYS:HE3	4	0.21
(1,650)	1:13:A:LEU:HD21	1:16:A:LYS:HE2	4	0.21
(1,650)	1:13:A:LEU:HD21	1:16:A:LYS:HE3	4	0.21
(1,650)	1:13:A:LEU:HD22	1:16:A:LYS:HE2	4	0.21
(1,650)	1:13:A:LEU:HD22	1:16:A:LYS:HE3	4	0.21
(1,650)	1:13:A:LEU:HD23	1:16:A:LYS:HE2	4	0.21
(1,650)	1:13:A:LEU:HD23	1:16:A:LYS:HE3	4	0.21
(1,650)	1:13:A:LEU:HD11	1:16:A:LYS:HE2	8	0.21
(1,650)	1:13:A:LEU:HD11	1:16:A:LYS:HE3	8	0.21
(1,650)	1:13:A:LEU:HD12	1:16:A:LYS:HE2	8	0.21
(1,650)	1:13:A:LEU:HD12	1:16:A:LYS:HE3	8	0.21
(1,650)	1:13:A:LEU:HD13	1:16:A:LYS:HE2	8	0.21
(1,650)	1:13:A:LEU:HD13	1:16:A:LYS:HE3	8	0.21
(1,650)	1:13:A:LEU:HD21	1:16:A:LYS:HE2	8	0.21
(1,650)	1:13:A:LEU:HD21	1:16:A:LYS:HE3	8	0.21
(1,650)	1:13:A:LEU:HD22	1:16:A:LYS:HE2	8	0.21
(1,650)	1:13:A:LEU:HD22	1:16:A:LYS:HE3	8	0.21
(1,650)	1:13:A:LEU:HD23	1:16:A:LYS:HE2	8	0.21
(1,650)	1:13:A:LEU:HD23	1:16:A:LYS:HE3	8	0.21
(1,596)	1:12:A:ILE:HA	1:14:A:GLN:HE21	8	0.21
(1,596)	1:12:A:ILE:HA	1:14:A:GLN:HE22	8	0.21
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	11	0.21
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	11	0.21
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	11	0.21
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE21	11	0.21
(1,517)	1:10:A:ASP:HA	1:14:A:GLN:HE22	11	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	1	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	1	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	1	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	1	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	1	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	1	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	1	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	1	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	1	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	1	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	1	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	1	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	2	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	2	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	2	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	2	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	2	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	2	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	2	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	2	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	2	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	2	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	2	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	2	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	3	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	3	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	3	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	3	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	3	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	3	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	3	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	3	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	3	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	3	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	3	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	3	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	6	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	6	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	6	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	6	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	6	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	6	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	6	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	6	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	6	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	6	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	6	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	7	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	7	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	7	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	7	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	7	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	7	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	7	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	7	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	7	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	7	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	7	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	7	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	9	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	9	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	9	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	9	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	9	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	9	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	9	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	9	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	9	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	9	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	9	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	9	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	10	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	10	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	10	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	10	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	10	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	10	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	10	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	10	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	10	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	10	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	10	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	11	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	11	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	11	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	11	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	11	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	11	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	11	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	11	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	11	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	11	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	11	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	11	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	12	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	12	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	12	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	12	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	12	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	12	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	12	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	12	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	12	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	12	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	12	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	12	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	13	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	13	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	13	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	13	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	13	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	13	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	13	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	13	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	13	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	13	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	13	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	13	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	16	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	16	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	16	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	16	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	16	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	16	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	16	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	16	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	16	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	16	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	16	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	17	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	17	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	17	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	17	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	17	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	17	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	17	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	17	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	17	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	17	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	17	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	17	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	18	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	18	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	18	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	18	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	18	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	18	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	18	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	18	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	18	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	18	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	18	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	18	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	19	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	19	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	19	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	19	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	19	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	19	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	19	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	19	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	19	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	19	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	19	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	20	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	20	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	20	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	20	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	20	0.21
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	20	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	20	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	20	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	20	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	20	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	20	0.21
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	20	0.21
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	4	0.21
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	4	0.21
(1,437)	1:9:A:ARG:HD2	1:10:A:ASP:H	8	0.21
(1,437)	1:9:A:ARG:HD3	1:10:A:ASP:H	8	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	2	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	2	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	3	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	3	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	4	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	4	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	5	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	5	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	6	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	6	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	7	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	7	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	8	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	8	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	10	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	10	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	11	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	11	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	12	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	12	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	13	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	13	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	14	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	15	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	15	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	16	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	16	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	17	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	17	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	18	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	18	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	19	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	19	0.21
(1,436)	1:9:A:ARG:HB2	1:10:A:ASP:H	20	0.21
(1,436)	1:9:A:ARG:HB3	1:10:A:ASP:H	20	0.21
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	1	0.21
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	2	0.21
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	3	0.21
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	5	0.21
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	7	0.21
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	10	0.21
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	11	0.21
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	15	0.21
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	16	0.21
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	17	0.21
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	18	0.21
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	20	0.21
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	1	0.21
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	1	0.21
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	6	0.21
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	6	0.21
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	12	0.21
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	12	0.21
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	16	0.21
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	16	0.21
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	20	0.21
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	20	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	1	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	1	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	1	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	1	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	2	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	2	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	2	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	3	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	3	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	3	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	3	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	6	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	6	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	6	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	6	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	7	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	7	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	7	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	7	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	9	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	9	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	9	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	9	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	10	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	10	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	10	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	10	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	13	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	13	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	13	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	13	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	14	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	14	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	14	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	14	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	16	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	16	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	16	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	16	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	17	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	17	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	17	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	17	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	18	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	18	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	18	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	18	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	20	0.21
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	20	0.21
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	20	0.21
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	9	0.21
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	9	0.21
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	19	0.21
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	19	0.21
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	9	0.21
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	9	0.21
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	19	0.21
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	19	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	3	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	3	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	4	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	4	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	6	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	6	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	7	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	7	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	8	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	8	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	10	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	10	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	16	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	16	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	18	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	18	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	20	0.21
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	20	0.21
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	5	0.21
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	5	0.21
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	5	0.21
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	5	0.21
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	5	0.21
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	5	0.21
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	5	0.21
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	5	0.21
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	5	0.21
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	5	0.21
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	5	0.21
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	5	0.21
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	9	0.21
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	9	0.21
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	9	0.21
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	9	0.21
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	9	0.21
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	9	0.21
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	9	0.21
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	9	0.21
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	9	0.21
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	9	0.21
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	9	0.21
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	19	0.21
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	19	0.21
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	19	0.21
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	19	0.21
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	19	0.21
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	19	0.21
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	19	0.21
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	19	0.21
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	19	0.21
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	19	0.21
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	19	0.21
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	19	0.21
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	5	0.21
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	5	0.21
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	5	0.21
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	5	0.21
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	5	0.21
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	5	0.21
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	5	0.21
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	5	0.21
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	5	0.21
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	5	0.21
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	5	0.21
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	5	0.21
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	9	0.21
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	9	0.21
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	9	0.21
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	9	0.21
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	9	0.21
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	9	0.21
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	9	0.21
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	9	0.21
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	9	0.21
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	9	0.21
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	9	0.21
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	19	0.21
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	19	0.21
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	19	0.21
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	19	0.21
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	19	0.21
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	19	0.21
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	19	0.21
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	19	0.21
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	19	0.21
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	19	0.21
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	19	0.21
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	19	0.21
(1,186)	1:4:A:LEU:HG	1:7:A:PHE:HZ	14	0.21
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	14	0.21
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	14	0.21
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	14	0.21
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	14	0.21
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	14	0.21
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	14	0.21
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	14	0.21
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	14	0.21
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	14	0.21
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	14	0.21
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	14	0.21
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	14	0.21
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	17	0.21
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	17	0.21
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	17	0.21
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	17	0.21
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	17	0.21
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	17	0.21
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	17	0.21
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	17	0.21
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	17	0.21
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	17	0.21
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	17	0.21
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	17	0.21
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	14	0.21
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	14	0.21
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	14	0.21
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	14	0.21
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	14	0.21
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	14	0.21
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	14	0.21
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	14	0.21
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	14	0.21
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	14	0.21
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	14	0.21
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	17	0.21
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	17	0.21
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	17	0.21
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	17	0.21
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	17	0.21
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	17	0.21
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	17	0.21
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	17	0.21
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	17	0.21
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	17	0.21
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	17	0.21
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	17	0.21
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	14	0.21
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	14	0.21
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	14	0.21
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	14	0.21
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	14	0.21
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	14	0.21
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	14	0.21
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	14	0.21
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	14	0.21
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	14	0.21
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	14	0.21
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	14	0.21
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	17	0.21
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	17	0.21
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	17	0.21
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	17	0.21
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	17	0.21
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	17	0.21
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	17	0.21
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	17	0.21
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	17	0.21
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	17	0.21
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	17	0.21
(1,716)	1:15:A:ARG:H	1:16:A:LYS:HA	11	0.2
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	15	0.2
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	15	0.2
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	1	0.2
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	1	0.2
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	2	0.2
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	2	0.2
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	3	0.2
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	3	0.2
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	6	0.2
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	6	0.2
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	9	0.2
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	9	0.2
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	12	0.2
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	12	0.2
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	17	0.2
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	17	0.2
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	18	0.2
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	18	0.2
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	19	0.2
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	19	0.2
(1,678)	1:14:A:GLN:HE21	1:17:A:LYS:HA	20	0.2
(1,678)	1:14:A:GLN:HE22	1:17:A:LYS:HA	20	0.2
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	11	0.2
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	19	0.2
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	19	0.2
(1,596)	1:12:A:ILE:HA	1:14:A:GLN:HE21	4	0.2
(1,596)	1:12:A:ILE:HA	1:14:A:GLN:HE22	4	0.2
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	2	0.2
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	2	0.2
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	9	0.2
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	9	0.2
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	10	0.2
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	10	0.2
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	13	0.2
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	13	0.2
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	17	0.2
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	18	0.2
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	18	0.2
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	2	0.2
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	2	0.2
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	9	0.2
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	9	0.2
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	10	0.2
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	10	0.2
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	13	0.2
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	13	0.2
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	17	0.2
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	17	0.2
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	18	0.2
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	18	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	1	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	1	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	2	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	2	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	3	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	3	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	5	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	5	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	6	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	6	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	7	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	7	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	9	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	9	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	10	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	10	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	11	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	11	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	12	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	12	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	13	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	13	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	14	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	14	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	15	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	15	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	16	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	17	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	17	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	18	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	18	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	19	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	19	0.2
(1,481)	1:10:A:ASP:HB2	1:11:A:PHE:HA	20	0.2
(1,481)	1:10:A:ASP:HB3	1:11:A:PHE:HA	20	0.2
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	12	0.2
(1,417)	1:9:A:ARG:HA	1:9:A:ARG:HE	19	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	2	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	2	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	3	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	3	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	4	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	4	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	5	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	5	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	7	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	7	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	8	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	8	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	9	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	9	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	10	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	10	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	11	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	11	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	13	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	13	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	14	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	14	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	15	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	15	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	17	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	17	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	18	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	18	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB2	19	0.2
(1,406)	1:8:A:PHE:HZ	1:11:A:PHE:HB3	19	0.2
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	5	0.2
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	5	0.2
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	5	0.2
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	11	0.2
(1,363)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	11	0.2
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	11	0.2
(1,363)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	11	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	1	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	1	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	2	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	2	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	3	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	3	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	4	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	4	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	5	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	5	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	6	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	6	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	7	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	7	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	8	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	8	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	9	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	9	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	10	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	10	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	11	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	11	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	12	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	12	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	13	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	13	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	14	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	14	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	15	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	15	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	16	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	16	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	17	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	17	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	18	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	19	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	19	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB2	20	0.2
(1,299)	1:7:A:PHE:H	1:8:A:PHE:HB3	20	0.2
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	4	0.2
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	8	0.2
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	4	0.2
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	4	0.2
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB2	8	0.2
(1,207)	1:4:A:LEU:H	1:8:A:PHE:HB3	8	0.2
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	4	0.2
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	4	0.2
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB2	8	0.2
(1,206)	1:4:A:LEU:H	1:8:A:PHE:HB3	8	0.2
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	1	0.2
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	1	0.2
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	11	0.2
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	11	0.2
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	12	0.2
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	12	0.2
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	15	0.2
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	15	0.2
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	2	0.2
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	2	0.2
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	2	0.2
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	2	0.2
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	2	0.2
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	2	0.2
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	2	0.2
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	2	0.2
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	2	0.2
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	2	0.2
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	2	0.2
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	2	0.2
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	13	0.2
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	13	0.2
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	13	0.2
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	13	0.2
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	13	0.2
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	13	0.2
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	13	0.2
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	13	0.2
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	13	0.2
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	13	0.2
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	13	0.2
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	14	0.2
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	14	0.2
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	14	0.2
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	14	0.2
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	14	0.2
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	14	0.2
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	14	0.2
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	14	0.2
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	14	0.2
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	14	0.2
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	14	0.2
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	14	0.2
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	17	0.2
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	17	0.2
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	17	0.2
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	17	0.2
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	17	0.2
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	17	0.2
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	17	0.2
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	17	0.2
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	17	0.2
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	17	0.2
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	17	0.2
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	17	0.2
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	2	0.2
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	2	0.2
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	2	0.2
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	2	0.2
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	2	0.2
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	2	0.2
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	2	0.2
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	2	0.2
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	2	0.2
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	2	0.2
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	2	0.2
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	2	0.2
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	13	0.2
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	13	0.2
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	13	0.2
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	13	0.2
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	13	0.2
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	13	0.2
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	13	0.2
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	13	0.2
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	13	0.2
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	13	0.2
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	13	0.2
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	14	0.2
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	14	0.2
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	14	0.2
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	14	0.2
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	14	0.2
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	14	0.2
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	14	0.2
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	14	0.2
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	14	0.2
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	14	0.2
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	14	0.2
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	14	0.2
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	17	0.2
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	17	0.2
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	17	0.2
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	17	0.2
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	17	0.2
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	17	0.2
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	17	0.2
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	17	0.2
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	17	0.2
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	17	0.2
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	17	0.2
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	17	0.2
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	9	0.2
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	9	0.2
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	9	0.2
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	9	0.2
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	9	0.2
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	9	0.2
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	9	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	2	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	2	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	2	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	2	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	2	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	2	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	2	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	2	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	2	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	2	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	2	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	2	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	5	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	5	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	5	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	5	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	5	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	5	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	5	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	5	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	5	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	5	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	5	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	5	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	13	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	13	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	13	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	13	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	13	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	13	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	13	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	13	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	13	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	13	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	13	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	13	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD11	19	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD12	19	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD13	19	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD21	19	0.2
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD22	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:2:A:MET:HB2	1:4:A:LEU:HD23	19	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD11	19	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD12	19	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD13	19	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD21	19	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD22	19	0.2
(1,31)	1:2:A:MET:HB3	1:4:A:LEU:HD23	19	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	2	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	2	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	2	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	2	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	2	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	2	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	2	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	2	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	2	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	2	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	2	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	2	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	5	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	5	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	5	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	5	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	5	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	5	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	5	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	5	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	5	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	5	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	5	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	5	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	13	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	13	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	13	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	13	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	13	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	13	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	13	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	13	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	13	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	13	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	13	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD11	19	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD12	19	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD13	19	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD21	19	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD22	19	0.2
(1,27)	1:2:A:MET:HB2	1:4:A:LEU:HD23	19	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD11	19	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD12	19	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD13	19	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD21	19	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD22	19	0.2
(1,27)	1:2:A:MET:HB3	1:4:A:LEU:HD23	19	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	2	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	2	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	2	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	2	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	2	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	2	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	2	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	2	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	2	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	2	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	2	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	2	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	5	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	5	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	5	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	5	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	5	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	5	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	5	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	5	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	5	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	5	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	5	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	5	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	13	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	13	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	13	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	13	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	13	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	13	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	13	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	13	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	13	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	13	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	13	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD11	19	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD12	19	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD13	19	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD21	19	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD22	19	0.2
(1,26)	1:2:A:MET:HB2	1:4:A:LEU:HD23	19	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD11	19	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD12	19	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD13	19	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD21	19	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD22	19	0.2
(1,26)	1:2:A:MET:HB3	1:4:A:LEU:HD23	19	0.2
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD11	4	0.19
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD12	8	0.19
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG2	1	0.19
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG3	1	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	1	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	1	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	2	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	2	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	3	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	3	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	5	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	5	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	6	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	6	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	7	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	7	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	9	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	9	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	10	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	10	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	12	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	12	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	13	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	14	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	14	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	16	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	16	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	17	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	17	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	18	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	18	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	20	0.19
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	20	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	1	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	1	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	2	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	2	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	6	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	6	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	9	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	9	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	10	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	10	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	13	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	13	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	14	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	14	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	16	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	16	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	17	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	17	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	18	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	18	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	20	0.19
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	20	0.19
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	1	0.19
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	1	0.19
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	3	0.19
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	3	0.19
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	5	0.19
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	5	0.19
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	6	0.19
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	6	0.19
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	7	0.19
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	12	0.19
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	12	0.19
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	14	0.19
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	14	0.19
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	15	0.19
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	15	0.19
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	16	0.19
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	16	0.19
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	19	0.19
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	19	0.19
(1,520)	1:10:A:ASP:HB2	1:14:A:GLN:H	20	0.19
(1,520)	1:10:A:ASP:HB3	1:14:A:GLN:H	20	0.19
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	1	0.19
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	1	0.19
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	3	0.19
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	3	0.19
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	5	0.19
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	5	0.19
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	6	0.19
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	6	0.19
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	7	0.19
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	7	0.19
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	12	0.19
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	12	0.19
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	14	0.19
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	14	0.19
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	15	0.19
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	15	0.19
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	16	0.19
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	16	0.19
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	19	0.19
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	19	0.19
(1,519)	1:10:A:ASP:HB2	1:14:A:GLN:H	20	0.19
(1,519)	1:10:A:ASP:HB3	1:14:A:GLN:H	20	0.19
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD11	15	0.19
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD12	15	0.19
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD13	15	0.19
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD21	15	0.19
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD22	15	0.19
(1,509)	1:10:A:ASP:HB2	1:13:A:LEU:HD23	15	0.19
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD11	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD12	15	0.19
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD13	15	0.19
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD21	15	0.19
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD22	15	0.19
(1,509)	1:10:A:ASP:HB3	1:13:A:LEU:HD23	15	0.19
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	16	0.19
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	20	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	1	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	2	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	3	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	5	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	6	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	7	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	9	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	10	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	11	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	12	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	13	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	14	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	15	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	16	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	17	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	18	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	19	0.19
(1,298)	1:7:A:PHE:H	1:8:A:PHE:HA	20	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	1	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	1	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	1	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	1	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	1	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	1	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	1	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	1	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	1	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	1	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	1	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	1	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	3	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	3	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	3	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	3	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	3	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	3	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	3	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	3	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	3	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	3	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	3	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	6	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	6	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	6	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	6	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	6	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	6	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	6	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	6	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	6	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	6	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	6	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	6	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	7	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	7	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	7	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	7	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	7	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	7	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	7	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	7	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	7	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	7	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	7	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	7	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	10	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	10	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	10	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	10	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	10	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	10	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	10	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	10	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	10	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	10	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	10	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	11	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	11	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	11	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	11	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	11	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	11	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	11	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	11	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	11	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	11	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	11	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	11	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	12	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	12	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	12	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	12	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	12	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	12	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	12	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	12	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	12	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	12	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	12	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	12	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	15	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	15	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	15	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	15	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	15	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	15	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	15	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	15	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	15	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	15	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	15	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	15	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	16	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	16	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	16	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	16	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	16	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	16	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	16	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	16	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	16	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	16	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	16	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	18	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	18	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	18	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	18	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	18	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	18	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	18	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	18	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	18	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	18	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	18	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	18	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	20	0.19
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	20	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	20	0.19
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	20	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	20	0.19
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	20	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	20	0.19
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	20	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	20	0.19
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	20	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	20	0.19
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	20	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	1	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	1	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	1	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	1	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	1	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	1	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	1	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	1	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	1	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	1	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	1	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	3	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	3	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	3	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	3	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	3	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	3	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	3	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	3	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	3	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	3	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	3	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	3	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	6	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	6	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	6	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	6	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	6	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	6	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	6	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	6	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	6	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	6	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	6	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	6	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	7	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	7	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	7	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	7	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	7	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	7	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	7	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	7	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	7	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	7	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	7	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	7	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	10	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	10	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	10	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	10	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	10	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	10	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	10	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	10	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	10	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	10	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	10	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	11	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	11	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	11	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	11	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	11	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	11	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	11	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	11	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	11	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	11	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	11	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	11	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	12	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	12	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	12	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	12	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	12	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	12	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	12	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	12	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	12	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	12	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	12	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	12	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	15	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	15	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	15	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	15	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	15	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	15	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	15	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	15	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	15	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	15	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	15	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	16	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	16	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	16	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	16	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	16	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	16	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	16	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	16	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	16	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	16	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	16	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	16	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	18	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	18	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	18	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	18	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	18	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	18	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	18	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	18	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	18	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	18	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	18	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	18	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	20	0.19
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	20	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	20	0.19
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	20	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	20	0.19
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	20	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	20	0.19
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	20	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	20	0.19
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	20	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	20	0.19
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	20	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	1	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	1	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	1	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	1	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	2	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	2	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	2	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	3	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	3	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	3	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	3	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	4	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	4	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	4	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	4	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	5	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	5	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	5	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	5	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	6	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	6	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	6	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	6	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	7	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	7	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	7	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	7	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	8	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	8	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	8	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	8	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	10	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	10	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	10	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	10	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	11	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	11	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	11	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	11	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	12	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	12	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	12	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	12	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	13	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	13	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	13	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	14	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	14	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	14	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	14	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	15	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	15	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	15	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	15	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	16	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	16	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	16	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	16	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	17	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	17	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	17	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	17	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	18	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	18	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	18	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	18	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	19	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	19	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	19	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	19	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB2	20	0.19
(1,146)	1:4:A:LEU:HB2	1:5:A:SER:HB3	20	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB2	20	0.19
(1,146)	1:4:A:LEU:HB3	1:5:A:SER:HB3	20	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	1	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	1	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	1	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	1	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	2	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	2	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	2	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	2	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	3	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	3	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	3	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	3	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	4	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	4	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	4	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	5	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	5	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	5	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	5	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	6	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	6	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	6	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	6	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	7	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	7	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	7	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	7	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	8	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	8	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	8	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	8	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	10	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	10	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	10	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	10	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	11	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	11	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	11	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	11	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	12	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	12	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	12	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	12	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	13	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	13	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	13	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	13	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	14	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	14	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	14	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	14	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	15	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	15	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	15	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	16	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	16	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	16	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	16	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	17	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	17	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	17	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	17	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	18	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	18	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	18	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	18	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	19	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	19	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	19	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	19	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB2	20	0.19
(1,145)	1:4:A:LEU:HB2	1:5:A:SER:HB3	20	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB2	20	0.19
(1,145)	1:4:A:LEU:HB3	1:5:A:SER:HB3	20	0.19
(3,10)	1:10:A:ASP:O	1:14:A:GLN:N	4	0.18
(3,10)	1:10:A:ASP:O	1:14:A:GLN:N	8	0.18
(1,745)	1:17:A:LYS:HA	1:17:A:LYS:HG2	11	0.18
(1,745)	1:17:A:LYS:HA	1:17:A:LYS:HG3	11	0.18
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG2	19	0.18
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG3	19	0.18
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	4	0.18
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	4	0.18
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	8	0.18
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	8	0.18
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	3	0.18
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	3	0.18
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	5	0.18
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	5	0.18
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	7	0.18
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	7	0.18
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	12	0.18
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	12	0.18
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE21	19	0.18
(1,639)	1:13:A:LEU:HG	1:14:A:GLN:HE22	19	0.18
(1,610)	1:12:A:ILE:HA	1:16:A:LYS:H	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	1	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	1	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	1	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	1	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	2	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	2	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	2	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	2	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	3	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	3	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	3	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	3	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	5	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	5	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	5	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	5	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	6	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	6	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	6	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	6	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	7	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	7	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	7	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	7	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	9	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	9	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	9	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	9	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	10	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	10	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	10	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	10	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	11	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	11	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	11	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	11	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	12	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	12	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	12	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	12	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	13	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	13	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	13	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	14	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	14	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	14	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	14	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	15	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	15	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	15	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	15	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	16	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	16	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	16	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	16	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	17	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	17	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	17	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	17	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	18	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	18	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	18	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	18	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	19	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	19	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	19	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	19	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	20	0.18
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	20	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	20	0.18
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	20	0.18
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	15	0.18
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	15	0.18
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	15	0.18
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	15	0.18
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	15	0.18
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	15	0.18
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	1	0.18
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	2	0.18
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	3	0.18
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	5	0.18
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	6	0.18
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	9	0.18
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	10	0.18
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	11	0.18
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	12	0.18
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	13	0.18
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	14	0.18
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	15	0.18
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	17	0.18
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	18	0.18
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	19	0.18
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	4	0.18
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	4	0.18
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	4	0.18
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	4	0.18
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	4	0.18
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	4	0.18
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	4	0.18
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	4	0.18
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	4	0.18
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	4	0.18
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	4	0.18
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	4	0.18
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	8	0.18
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	8	0.18
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	8	0.18
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	8	0.18
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	8	0.18
(1,355)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	8	0.18
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	8	0.18
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	8	0.18
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	8	0.18
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	8	0.18
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	8	0.18
(1,355)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	8	0.18
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	4	0.18
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	4	0.18
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	8	0.18
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	8	0.18
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	4	0.18
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	8	0.18
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	4	0.18
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	9	0.18
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	9	0.18
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	17	0.18
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	17	0.18
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	4	0.18
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	4	0.18
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	4	0.18
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	4	0.18
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	4	0.18
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	4	0.18
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	4	0.18
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	4	0.18
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	4	0.18
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	4	0.18
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	4	0.18
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	4	0.18
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	8	0.18
(1,200)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	8	0.18
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	8	0.18
(1,200)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	8	0.18
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	8	0.18
(1,200)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	8	0.18
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	8	0.18
(1,200)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	8	0.18
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	8	0.18
(1,200)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	8	0.18
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	8	0.18
(1,200)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	8	0.18
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	4	0.18
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	4	0.18
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	4	0.18
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	4	0.18
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	4	0.18
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	4	0.18
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	4	0.18
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	4	0.18
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	4	0.18
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	4	0.18
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	4	0.18
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	4	0.18
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	8	0.18
(1,193)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	8	0.18
(1,193)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	8	0.18
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	8	0.18
(1,193)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	8	0.18
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	8	0.18
(1,193)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	8	0.18
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	8	0.18
(1,193)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	8	0.18
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	8	0.18
(1,193)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	8	0.18
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	11	0.17
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	11	0.17
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	12	0.17
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	12	0.17
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	19	0.17
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	19	0.17
(1,712)	1:15:A:ARG:HG2	1:16:A:LYS:H	11	0.17
(1,712)	1:15:A:ARG:HG3	1:16:A:LYS:H	11	0.17
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	4	0.17
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	4	0.17
(1,698)	1:15:A:ARG:HD2	1:15:A:ARG:H	8	0.17
(1,698)	1:15:A:ARG:HD3	1:15:A:ARG:H	8	0.17
(1,668)	1:14:A:GLN:HE21	1:14:A:GLN:H	4	0.17
(1,668)	1:14:A:GLN:HE22	1:14:A:GLN:H	4	0.17
(1,668)	1:14:A:GLN:HE21	1:14:A:GLN:H	8	0.17
(1,668)	1:14:A:GLN:HE22	1:14:A:GLN:H	8	0.17
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	4	0.17
(1,597)	1:12:A:ILE:HA	1:14:A:GLN:H	8	0.17
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	4	0.17
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	4	0.17
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	4	0.17
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	4	0.17
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	8	0.17
(1,529)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	8	0.17
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	8	0.17
(1,529)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	8	0.17
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	4	0.17
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	4	0.17
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB2	8	0.17
(1,521)	1:10:A:ASP:H	1:14:A:GLN:HB3	8	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	1	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	1	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	1	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	1	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	1	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	2	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	2	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	2	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	2	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	2	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	2	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	3	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	3	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	3	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	3	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	3	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	3	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	5	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	5	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	5	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	5	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	5	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	5	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	6	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	6	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	6	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	6	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	6	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	6	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	7	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	7	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	7	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	7	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	7	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	7	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	9	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	9	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	9	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	9	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	9	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	9	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	10	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	10	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	10	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	10	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	10	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	11	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	11	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	11	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	11	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	11	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	11	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	12	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	12	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	12	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	12	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	12	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	12	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	13	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	13	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	13	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	13	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	13	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	13	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	14	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	14	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	14	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	14	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	14	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	14	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	16	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	16	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	16	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	16	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	16	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	16	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	17	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	17	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	17	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	17	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	17	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	17	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	18	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	18	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	18	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	18	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	18	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	19	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	19	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	19	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	19	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	19	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	19	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD11	20	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD12	20	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD13	20	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD21	20	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD22	20	0.17
(1,469)	1:9:A:ARG:H	1:13:A:LEU:HD23	20	0.17
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	9	0.17
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	9	0.17
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	9	0.17
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	9	0.17
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	9	0.17
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	9	0.17
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	1	0.17
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	1	0.17
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	1	0.17
(1,15)	1:2:A:MET:HB2	1:3:A:ARG:H	9	0.17
(1,15)	1:2:A:MET:HB3	1:3:A:ARG:H	9	0.17
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG23	4	0.16
(2,13)	1:9:A:ARG:HB3	1:12:A:ILE:HG21	8	0.16
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG2	5	0.16
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG3	5	0.16
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	1	0.16
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	1	0.16
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	5	0.16
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	5	0.16
(1,672)	1:14:A:GLN:HA	1:16:A:LYS:H	15	0.16
(1,647)	1:13:A:LEU:HA	1:16:A:LYS:H	15	0.16
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	4	0.16
(1,640)	1:13:A:LEU:HG	1:14:A:GLN:H	8	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	2	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	2	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	2	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	3	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	3	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	3	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	3	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	7	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	7	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	7	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	7	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	9	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	9	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	9	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	9	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	10	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	10	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	10	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	10	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	11	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	11	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	11	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	11	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	13	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	13	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	13	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	13	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	14	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	14	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	14	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	14	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	16	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	16	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	16	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	16	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	17	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	17	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	17	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	17	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	18	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	18	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	18	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	18	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	19	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	19	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	19	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	20	0.16
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	20	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	20	0.16
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	20	0.16
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	12	0.16
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	12	0.16
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	4	0.16
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	4	0.16
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	4	0.16
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	4	0.16
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	8	0.16
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	8	0.16
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	8	0.16
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	8	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	1	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	1	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	3	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	3	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	6	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	6	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	7	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	7	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	9	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	9	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	10	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	10	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	11	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	11	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	12	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	12	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	15	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	15	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	16	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	16	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	18	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	18	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	20	0.16
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	20	0.16
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	2	0.16
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	5	0.16
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	5	0.16
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	13	0.16
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	13	0.16
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	8	0.16
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	8	0.16
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	8	0.16
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	8	0.16
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	8	0.16
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	8	0.16
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	13	0.16
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	13	0.16
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	13	0.16
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	13	0.16
(1,61)	1:2:A:MET:HG2	1:6:A:ALA:HA	9	0.16
(1,61)	1:2:A:MET:HG3	1:6:A:ALA:HA	9	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	3	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	3	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	3	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	4	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	4	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	4	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	6	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	6	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	6	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	7	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	7	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	7	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	8	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	8	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	8	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	10	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	10	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	10	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	11	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	11	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	11	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	12	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	12	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	12	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	16	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	16	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	18	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	18	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	18	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	20	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	20	0.16
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	20	0.16
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	6	0.15
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	6	0.15
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	7	0.15
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	7	0.15
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	1	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	1	0.15
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	2	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	2	0.15
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	3	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	3	0.15
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	6	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	6	0.15
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	7	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	7	0.15
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	9	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	9	0.15
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	10	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	10	0.15
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	11	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	11	0.15
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	12	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	12	0.15
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	13	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	13	0.15
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	14	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	14	0.15
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	16	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	16	0.15
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	17	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	17	0.15
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	18	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	18	0.15
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	19	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	20	0.15
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	20	0.15
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG2	11	0.15
(1,641)	1:13:A:LEU:H	1:14:A:GLN:HG3	11	0.15
(1,553)	1:11:A:PHE:HA	1:14:A:GLN:HG2	15	0.15
(1,553)	1:11:A:PHE:HA	1:14:A:GLN:HG3	15	0.15
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	4	0.15
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	8	0.15
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	15	0.15
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	4	0.15
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	8	0.15
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	4	0.15
(1,407)	1:8:A:PHE:HZ	1:11:A:PHE:H	8	0.15
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	1	0.15
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	1	0.15
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	1	0.15
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	1	0.15
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	5	0.15
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	5	0.15
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	5	0.15
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	5	0.15
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	6	0.15
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	6	0.15
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	6	0.15
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	6	0.15
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	12	0.15
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	12	0.15
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	12	0.15
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	12	0.15
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	15	0.15
(1,331)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	15	0.15
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	15	0.15
(1,331)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	15	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	1	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	1	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	2	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	2	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	3	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	3	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	5	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	5	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	6	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	7	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	7	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	9	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	9	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	10	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	10	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	11	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	11	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	13	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	13	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	14	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	14	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	15	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	15	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	16	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	16	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	17	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	17	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	18	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	18	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	19	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	19	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG2	20	0.15
(1,315)	1:7:A:PHE:HZ	1:9:A:ARG:HG3	20	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	1	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	2	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	3	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	5	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	6	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	7	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	9	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	10	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	11	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	12	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	13	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	14	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	15	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	16	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	17	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	18	0.15
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	1:7:A:PHE:HZ	1:8:A:PHE:HZ	20	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	1	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	1	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	1	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	1	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	2	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	2	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	2	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	2	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	3	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	3	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	3	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	3	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	5	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	5	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	5	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	5	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	6	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	6	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	6	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	6	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	7	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	7	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	7	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	7	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	9	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	9	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	9	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	9	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	10	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	10	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	10	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	10	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	11	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	11	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	11	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	11	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	12	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	12	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	12	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	12	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	13	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	13	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	13	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	14	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	14	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	14	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	14	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	15	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	15	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	15	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	15	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	16	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	16	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	16	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	16	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	17	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	17	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	17	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	17	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	18	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	18	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	18	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	18	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	19	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	19	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	19	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	19	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB2	20	0.15
(1,295)	1:7:A:PHE:HE1	1:8:A:PHE:HB3	20	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB2	20	0.15
(1,295)	1:7:A:PHE:HE2	1:8:A:PHE:HB3	20	0.15
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	5	0.15
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	5	0.15
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	5	0.15
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	5	0.15
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	5	0.15
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	5	0.15
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	11	0.15
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	11	0.15
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	11	0.15
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	11	0.15
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	11	0.15
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	12	0.15
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	12	0.15
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	12	0.15
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	12	0.15
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	12	0.15
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	12	0.15
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	13	0.15
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	13	0.15
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	13	0.15
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	13	0.15
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	13	0.15
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	13	0.15
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	19	0.15
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	19	0.15
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	19	0.15
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	19	0.15
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	19	0.15
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	19	0.15
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	2	0.15
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	2	0.15
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	5	0.15
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	5	0.15
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	13	0.15
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	13	0.15
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	14	0.15
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	14	0.15
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	17	0.15
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	17	0.15
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	19	0.15
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	19	0.15
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	14	0.15
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	14	0.15
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD1	19	0.15
(1,203)	1:4:A:LEU:HG	1:8:A:PHE:HD2	19	0.15
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	1	0.15
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	1	0.15
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	1	0.15
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	1	0.15
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	1	0.15
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	1	0.15
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	3	0.15
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	3	0.15
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	3	0.15
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	3	0.15
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	3	0.15
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	4	0.15
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	4	0.15
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	4	0.15
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	4	0.15
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	4	0.15
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	4	0.15
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	6	0.15
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	6	0.15
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	6	0.15
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	6	0.15
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	6	0.15
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	6	0.15
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	7	0.15
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	7	0.15
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	7	0.15
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	7	0.15
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	7	0.15
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	7	0.15
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	10	0.15
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	10	0.15
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	10	0.15
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	10	0.15
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	10	0.15
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	10	0.15
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	11	0.15
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	11	0.15
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	11	0.15
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	11	0.15
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	11	0.15
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	11	0.15
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	12	0.15
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	12	0.15
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	12	0.15
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	12	0.15
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	12	0.15
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	12	0.15
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	15	0.15
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	15	0.15
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	15	0.15
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	15	0.15
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	15	0.15
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	16	0.15
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	16	0.15
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	16	0.15
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	16	0.15
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	16	0.15
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	16	0.15
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	17	0.15
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	17	0.15
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	17	0.15
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	17	0.15
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	17	0.15
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	17	0.15
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	18	0.15
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	18	0.15
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	18	0.15
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	18	0.15
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	18	0.15
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	18	0.15
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	20	0.15
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	20	0.15
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	20	0.15
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	20	0.15
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	20	0.15
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	20	0.15
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	3	0.15
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	4	0.15
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	6	0.15
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	8	0.15
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	10	0.15
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	18	0.15
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	14	0.15
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	14	0.15
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	2	0.15
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	2	0.15
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	4	0.15
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	4	0.15
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	6	0.15
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	7	0.15
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	7	0.15
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	8	0.15
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	8	0.15
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	10	0.15
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	10	0.15
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	17	0.15
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	17	0.15
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	2	0.15
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	2	0.15
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	4	0.15
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	4	0.15
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	6	0.15
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	6	0.15
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	7	0.15
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	7	0.15
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	8	0.15
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	8	0.15
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	10	0.15
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	10	0.15
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	17	0.15
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	17	0.15
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB1	15	0.15
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB2	15	0.15
(1,54)	1:2:A:MET:HA	1:6:A:ALA:HB3	15	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	1	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	1	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	1	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	1	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	1	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	1	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	1	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	1	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	1	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	1	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	1	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	1	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	3	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	3	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	3	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	3	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	3	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	3	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	3	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	3	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	3	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	3	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	3	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	4	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	4	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	4	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	4	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	4	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	4	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	4	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	4	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	4	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	4	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	4	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	4	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	6	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	6	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	6	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	6	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	6	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	6	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	6	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	6	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	6	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	6	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	6	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	6	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	7	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	7	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	7	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	7	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	7	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	7	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	7	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	7	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	7	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	7	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	7	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	8	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	8	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	8	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	8	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	8	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	8	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	8	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	8	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	8	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	8	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	8	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	8	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	10	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	10	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	10	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	10	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	10	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	10	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	10	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	10	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	10	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	10	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	10	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	10	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	15	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	15	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	15	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	15	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	15	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	15	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	15	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	15	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	15	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	15	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	15	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	15	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	16	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	16	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	16	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	16	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	16	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	16	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	16	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	16	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	16	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	16	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	16	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	18	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	18	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	18	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	18	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	18	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	18	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	18	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	18	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	18	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	18	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	18	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	18	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	20	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	20	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	20	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	20	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	20	0.15
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	20	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	20	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	20	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	20	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	20	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	20	0.15
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	20	0.15
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD12	15	0.14
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD13	19	0.14
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG2	7	0.14
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG3	7	0.14
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG2	11	0.14
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG3	11	0.14
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	2	0.14
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	2	0.14
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	3	0.14
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	10	0.14
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	10	0.14
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	14	0.14
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	14	0.14
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	16	0.14
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	16	0.14
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	17	0.14
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	17	0.14
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	18	0.14
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	18	0.14
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	20	0.14
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	20	0.14
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	5	0.14
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	5	0.14
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	11	0.14
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	11	0.14
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	11	0.14
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	11	0.14
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	11	0.14
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	11	0.14
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	11	0.14
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	11	0.14
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	11	0.14
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	11	0.14
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	11	0.14
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	11	0.14
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	5	0.14
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	5	0.14
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	5	0.14
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	5	0.14
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	11	0.14
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	11	0.14
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	11	0.14
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	11	0.14
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	1	0.14
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	2	0.14
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	3	0.14
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	5	0.14
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	6	0.14
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	7	0.14
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	9	0.14
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	11	0.14
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	13	0.14
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	14	0.14
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	16	0.14
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	17	0.14
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	18	0.14
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	19	0.14
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	20	0.14
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	2	0.14
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	11	0.14
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	12	0.14
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	17	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	1	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	1	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	2	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	2	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	3	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	3	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	5	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	5	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	6	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	6	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	7	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	7	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	8	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	8	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	9	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	9	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	10	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	10	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	11	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	11	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	12	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	12	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	13	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	13	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	14	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	14	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	15	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	15	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	16	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	17	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	17	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	18	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	18	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	19	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	19	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	20	0.14
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	20	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	1	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	1	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	1	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	1	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	1	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	1	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	2	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	2	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	2	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	2	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	2	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	2	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	6	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	6	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	6	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	6	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	6	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	6	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	7	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	7	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	7	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	7	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	7	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	7	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	14	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	14	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	14	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	14	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	14	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	14	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	15	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	15	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	15	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	15	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	15	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	16	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	16	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	16	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	16	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	16	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	16	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	17	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	17	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	17	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	17	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	17	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	17	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	20	0.14
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	20	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	20	0.14
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	20	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	20	0.14
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	20	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	1	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	1	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	2	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	2	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	3	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	3	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	5	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	5	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	6	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	6	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	7	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	7	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	10	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	10	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	11	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	11	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	12	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	12	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	13	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	13	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	14	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	15	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	15	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	16	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	16	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	18	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	18	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	19	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	19	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	20	0.14
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	20	0.14
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	4	0.14
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	4	0.14
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB2	8	0.14
(1,241)	1:5:A:SER:H	1:8:A:PHE:HB3	8	0.14
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	2	0.14
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	2	0.14
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	2	0.14
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	2	0.14
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	2	0.14
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	2	0.14
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	5	0.14
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	5	0.14
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	5	0.14
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	5	0.14
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	5	0.14
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	5	0.14
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	13	0.14
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	13	0.14
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	13	0.14
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	13	0.14
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	13	0.14
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	13	0.14
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	14	0.14
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	14	0.14
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	14	0.14
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	14	0.14
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	14	0.14
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	14	0.14
(1,162)	1:4:A:LEU:HD11	1:6:A:ALA:H	19	0.14
(1,162)	1:4:A:LEU:HD12	1:6:A:ALA:H	19	0.14
(1,162)	1:4:A:LEU:HD13	1:6:A:ALA:H	19	0.14
(1,162)	1:4:A:LEU:HD21	1:6:A:ALA:H	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,162)	1:4:A:LEU:HD22	1:6:A:ALA:H	19	0.14
(1,162)	1:4:A:LEU:HD23	1:6:A:ALA:H	19	0.14
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	1	0.14
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	2	0.14
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	7	0.14
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	9	0.14
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	11	0.14
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	12	0.14
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	13	0.14
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	15	0.14
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	16	0.14
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	20	0.14
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	3	0.14
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	3	0.14
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	15	0.14
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	15	0.14
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	20	0.14
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	20	0.14
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	1	0.14
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	1	0.14
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	12	0.14
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	12	0.14
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	16	0.14
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	16	0.14
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	18	0.14
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	18	0.14
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	1	0.14
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	1	0.14
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	12	0.14
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	12	0.14
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	16	0.14
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	16	0.14
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	18	0.14
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	18	0.14
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	11	0.14
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	11	0.14
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	11	0.14
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	11	0.14
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	11	0.14
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	11	0.14
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	11	0.14
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	11	0.14
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	11	0.14
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	11	0.14
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	11	0.14
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	12	0.14
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	12	0.14
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	12	0.14
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	12	0.14
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	12	0.14
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	12	0.14
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	12	0.14
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	12	0.14
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	12	0.14
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	12	0.14
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	12	0.14
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	12	0.14
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HB2	9	0.14
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HB3	9	0.14
(1,8)	1:2:A:MET:HA	1:3:A:ARG:HB2	9	0.14
(1,8)	1:2:A:MET:HA	1:3:A:ARG:HB3	9	0.14
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD13	1	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD13	2	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD12	3	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD13	5	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD12	6	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD12	7	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD11	9	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD12	10	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD13	11	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD12	12	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD13	13	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD12	14	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD11	16	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD12	17	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD12	18	0.13
(2,4)	1:7:A:PHE:HD1	1:12:A:ILE:HD11	20	0.13
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	9	0.13
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	9	0.13
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	13	0.13
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	13	0.13
(1,720)	1:15:A:ARG:HG2	1:17:A:LYS:H	15	0.13
(1,720)	1:15:A:ARG:HG3	1:17:A:LYS:H	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:15:A:ARG:HD2	1:15:A:ARG:H	15	0.13
(1,702)	1:15:A:ARG:HD3	1:15:A:ARG:H	15	0.13
(1,676)	1:14:A:GLN:HA	1:17:A:LYS:HG2	4	0.13
(1,676)	1:14:A:GLN:HA	1:17:A:LYS:HG3	4	0.13
(1,676)	1:14:A:GLN:HA	1:17:A:LYS:HG2	8	0.13
(1,676)	1:14:A:GLN:HA	1:17:A:LYS:HG3	8	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	1	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	1	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	1	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	1	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	2	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	2	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	2	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	2	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	3	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	3	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	3	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	3	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	6	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	6	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	6	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	6	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	7	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	7	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	7	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	7	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	9	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	9	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	9	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	9	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	10	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	10	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	10	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	10	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	12	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	12	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	12	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	12	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	13	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	13	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	13	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	14	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	14	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	14	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	14	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	16	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	16	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	16	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	16	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	17	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	17	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	17	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	17	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	18	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	18	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	18	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	18	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	20	0.13
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	20	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	20	0.13
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	20	0.13
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	12	0.13
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	1	0.13
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	3	0.13
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	5	0.13
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	6	0.13
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	7	0.13
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	9	0.13
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	10	0.13
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	13	0.13
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	14	0.13
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	16	0.13
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	18	0.13
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	19	0.13
(1,461)	1:9:A:ARG:HA	1:13:A:LEU:HG	20	0.13
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB2	4	0.13
(1,441)	1:9:A:ARG:H	1:10:A:ASP:HB3	4	0.13
(1,330)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	4	0.13
(1,330)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	4	0.13
(1,330)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	4	0.13
(1,330)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	4	0.13
(1,330)	1:7:A:PHE:HE1	1:11:A:PHE:HB2	8	0.13
(1,330)	1:7:A:PHE:HE1	1:11:A:PHE:HB3	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,330)	1:7:A:PHE:HE2	1:11:A:PHE:HB2	8	0.13
(1,330)	1:7:A:PHE:HE2	1:11:A:PHE:HB3	8	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	1	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	1	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	2	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	2	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	3	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	3	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	4	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	4	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	5	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	5	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	6	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	6	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	7	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	7	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	8	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	8	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	10	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	10	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	11	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	11	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	12	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	12	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	13	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	13	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	14	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	14	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	15	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	15	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	16	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	16	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	17	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	17	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	18	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	18	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	19	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	19	0.13
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	20	0.13
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	20	0.13
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	3	0.13
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	3	0.13
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	3	0.13
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	3	0.13
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	3	0.13
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	9	0.13
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	9	0.13
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	9	0.13
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	9	0.13
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	9	0.13
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	9	0.13
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	10	0.13
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	10	0.13
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	10	0.13
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	10	0.13
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	10	0.13
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	10	0.13
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	18	0.13
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	18	0.13
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	18	0.13
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	18	0.13
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	18	0.13
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	18	0.13
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	5	0.13
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	4	0.13
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	4	0.13
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	8	0.13
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	8	0.13
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	9	0.13
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	9	0.13
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB2	17	0.13
(1,258)	1:6:A:ALA:H	1:8:A:PHE:HB3	17	0.13
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	1	0.13
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	2	0.13
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	4	0.13
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	5	0.13
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	6	0.13
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	8	0.13
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	9	0.13
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	13	0.13
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	14	0.13
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	17	0.13
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	5	0.13
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	14	0.13
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	17	0.13
(1,161)	1:4:A:LEU:H	1:5:A:SER:H	19	0.13
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	5	0.13
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	5	0.13
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	11	0.13
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	11	0.13
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	13	0.13
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	13	0.13
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	17	0.13
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	17	0.13
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	19	0.13
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	19	0.13
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	19	0.13
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	19	0.13
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG2	6	0.12
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG3	6	0.12
(1,677)	1:14:A:GLN:HA	1:17:A:LYS:H	15	0.12
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	6	0.12
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	6	0.12
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	6	0.12
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	6	0.12
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	6	0.12
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	6	0.12
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	6	0.12
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	6	0.12
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	6	0.12
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	6	0.12
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	6	0.12
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	6	0.12
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	12	0.12
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	12	0.12
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	12	0.12
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	12	0.12
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	12	0.12
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	12	0.12
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	12	0.12
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	12	0.12
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	12	0.12
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	12	0.12
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	12	0.12
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	13	0.12
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	13	0.12
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	13	0.12
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	13	0.12
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	13	0.12
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	13	0.12
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	13	0.12
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	13	0.12
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	13	0.12
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	13	0.12
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	13	0.12
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	13	0.12
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	16	0.12
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	16	0.12
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	16	0.12
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	16	0.12
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	16	0.12
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	16	0.12
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	16	0.12
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	16	0.12
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	16	0.12
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	16	0.12
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	16	0.12
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	16	0.12
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	17	0.12
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	17	0.12
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	17	0.12
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	17	0.12
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	17	0.12
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	17	0.12
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	17	0.12
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	17	0.12
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	17	0.12
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	17	0.12
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	17	0.12
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	17	0.12
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	18	0.12
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	18	0.12
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	18	0.12
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	18	0.12
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	18	0.12
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	18	0.12
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	18	0.12
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	18	0.12
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	18	0.12
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	18	0.12
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	18	0.12
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	20	0.12
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	20	0.12
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	20	0.12
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	20	0.12
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	20	0.12
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	20	0.12
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	20	0.12
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	20	0.12
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	20	0.12
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	20	0.12
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	20	0.12
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	20	0.12
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	12	0.12
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	12	0.12
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	12	0.12
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	12	0.12
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	12	0.12
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	12	0.12
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	19	0.12
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	19	0.12
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	19	0.12
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	19	0.12
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	19	0.12
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	19	0.12
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	12	0.12
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	12	0.12
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	12	0.12
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	12	0.12
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	12	0.12
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	12	0.12
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	19	0.12
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	19	0.12
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	19	0.12
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	19	0.12
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	19	0.12
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	15	0.12
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	15	0.12
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	15	0.12
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	15	0.12
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB2	19	0.12
(1,550)	1:11:A:PHE:HE1	1:13:A:LEU:HB3	19	0.12
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB2	19	0.12
(1,550)	1:11:A:PHE:HE2	1:13:A:LEU:HB3	19	0.12
(1,534)	1:11:A:PHE:HA	1:12:A:ILE:H	15	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	1	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	1	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	2	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	2	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	3	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	3	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	5	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	5	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	6	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	6	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	7	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	7	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	9	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	9	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	10	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	10	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	11	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	11	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	12	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	12	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	13	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	13	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	14	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	14	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	15	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	15	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	16	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	16	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	17	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	17	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	18	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	19	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	19	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB2	20	0.12
(1,513)	1:10:A:ASP:H	1:13:A:LEU:HB3	20	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	1	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	2	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	3	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	5	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	6	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	7	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	9	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	10	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	11	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	12	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	13	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	14	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	15	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	16	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	17	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	18	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	19	0.12
(1,494)	1:10:A:ASP:HA	1:12:A:ILE:HA	20	0.12
(1,485)	1:10:A:ASP:HB2	1:11:A:PHE:HA	4	0.12
(1,485)	1:10:A:ASP:HB3	1:11:A:PHE:HA	4	0.12
(1,485)	1:10:A:ASP:HB2	1:11:A:PHE:HA	8	0.12
(1,485)	1:10:A:ASP:HB3	1:11:A:PHE:HA	8	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD11	4	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD12	4	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD13	4	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD21	4	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD22	4	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD23	4	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD11	8	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD12	8	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD13	8	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD21	8	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD22	8	0.12
(1,459)	1:9:A:ARG:HA	1:13:A:LEU:HD23	8	0.12
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	15	0.12
(1,438)	1:9:A:ARG:HE	1:10:A:ASP:HA	3	0.12
(1,438)	1:9:A:ARG:HE	1:10:A:ASP:HA	11	0.12
(1,438)	1:9:A:ARG:HE	1:10:A:ASP:HA	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:9:A:ARG:HE	1:10:A:ASP:HA	16	0.12
(1,438)	1:9:A:ARG:HE	1:10:A:ASP:HA	18	0.12
(1,438)	1:9:A:ARG:HE	1:10:A:ASP:HA	20	0.12
(1,385)	1:8:A:PHE:HA	1:9:A:ARG:H	4	0.12
(1,385)	1:8:A:PHE:HA	1:9:A:ARG:H	8	0.12
(1,289)	1:7:A:PHE:HB2	1:8:A:PHE:H	9	0.12
(1,289)	1:7:A:PHE:HB3	1:8:A:PHE:H	9	0.12
(1,265)	1:6:A:ALA:HB1	1:9:A:ARG:HE	4	0.12
(1,265)	1:6:A:ALA:HB2	1:9:A:ARG:HE	4	0.12
(1,265)	1:6:A:ALA:HB3	1:9:A:ARG:HE	4	0.12
(1,265)	1:6:A:ALA:HB1	1:9:A:ARG:HE	8	0.12
(1,265)	1:6:A:ALA:HB2	1:9:A:ARG:HE	8	0.12
(1,265)	1:6:A:ALA:HB3	1:9:A:ARG:HE	8	0.12
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	1	0.12
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	2	0.12
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	3	0.12
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	6	0.12
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	7	0.12
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	11	0.12
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	13	0.12
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	14	0.12
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	17	0.12
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	3	0.12
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	7	0.12
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	10	0.12
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	11	0.12
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	12	0.12
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	15	0.12
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	16	0.12
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	19	0.12
(1,243)	1:5:A:SER:H	1:8:A:PHE:H	20	0.12
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	9	0.12
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	9	0.12
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG2	2	0.11
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG3	2	0.11
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG2	20	0.11
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG3	20	0.11
(1,724)	1:16:A:LYS:HA	1:16:A:LYS:HG2	11	0.11
(1,724)	1:16:A:LYS:HA	1:16:A:LYS:HG3	11	0.11
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	4	0.11
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	4	0.11
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	4	0.11
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	4	0.11
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	4	0.11
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	4	0.11
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	4	0.11
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	4	0.11
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	4	0.11
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	4	0.11
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	4	0.11
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	8	0.11
(1,645)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	8	0.11
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	8	0.11
(1,645)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	8	0.11
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	8	0.11
(1,645)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	8	0.11
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	8	0.11
(1,645)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	8	0.11
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	8	0.11
(1,645)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	8	0.11
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	8	0.11
(1,645)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	8	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	1	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	1	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	1	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	1	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	1	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	1	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	1	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	1	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	1	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	1	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	1	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	1	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	2	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	2	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	2	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	2	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	2	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	2	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	2	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	2	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	2	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	2	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	2	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	3	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	3	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	3	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	3	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	3	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	3	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	3	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	3	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	3	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	3	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	3	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	3	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	5	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	5	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	5	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	5	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	5	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	5	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	5	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	5	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	5	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	5	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	5	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	5	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	7	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	7	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	7	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	7	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	7	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	7	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	7	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	7	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	7	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	7	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	7	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	7	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	9	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	9	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	9	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	9	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	9	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	9	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	9	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	9	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	9	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	9	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	9	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	10	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	10	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	10	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	10	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	10	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	10	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	10	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	10	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	10	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	10	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	10	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	10	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	14	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	14	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	14	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	14	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	14	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	14	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	14	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	14	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	14	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	14	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	14	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	14	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG2	19	0.11
(1,636)	1:13:A:LEU:HD11	1:14:A:GLN:HG3	19	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG2	19	0.11
(1,636)	1:13:A:LEU:HD12	1:14:A:GLN:HG3	19	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG2	19	0.11
(1,636)	1:13:A:LEU:HD13	1:14:A:GLN:HG3	19	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG2	19	0.11
(1,636)	1:13:A:LEU:HD21	1:14:A:GLN:HG3	19	0.11
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG2	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:13:A:LEU:HD22	1:14:A:GLN:HG3	19	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG2	19	0.11
(1,636)	1:13:A:LEU:HD23	1:14:A:GLN:HG3	19	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	1	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	1	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	1	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	1	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	1	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	1	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	2	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	2	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	2	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	2	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	2	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	2	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	3	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	3	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	3	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	3	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	3	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	3	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	5	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	5	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	5	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	5	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	5	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	5	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	6	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	6	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	6	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	6	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	6	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	6	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	7	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	7	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	7	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	7	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	7	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	7	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	9	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	9	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	9	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	9	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	9	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	10	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	10	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	10	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	10	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	10	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	10	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	11	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	11	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	11	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	11	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	11	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	11	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	13	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	13	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	13	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	13	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	13	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	13	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	14	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	14	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	14	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	14	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	14	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	14	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	15	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	15	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	15	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	15	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	15	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	15	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	16	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	16	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	16	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	16	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	16	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	16	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	17	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	17	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	17	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	17	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	17	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	18	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	18	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	18	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	18	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	18	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	18	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD11	20	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD12	20	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD13	20	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD21	20	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD22	20	0.11
(1,595)	1:12:A:ILE:H	1:13:A:LEU:HD23	20	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	1	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	1	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	1	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	1	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	1	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	1	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	2	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	2	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	2	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	2	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	2	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	2	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	3	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	3	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	3	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	3	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	3	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	3	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	5	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	5	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	5	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	5	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	5	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	5	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	6	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	6	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	6	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	6	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	6	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	7	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	7	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	7	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	7	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	7	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	7	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	9	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	9	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	9	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	9	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	9	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	9	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	10	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	10	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	10	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	10	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	10	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	10	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	11	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	11	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	11	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	11	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	11	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	11	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	13	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	13	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	13	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	13	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	13	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	13	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	14	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	14	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	14	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	14	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	14	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	14	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	15	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	15	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	15	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	15	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	15	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	16	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	16	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	16	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	16	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	16	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	16	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	17	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	17	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	17	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	17	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	17	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	17	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	18	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	18	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	18	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	18	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	18	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	18	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD11	20	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD12	20	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD13	20	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD21	20	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD22	20	0.11
(1,594)	1:12:A:ILE:H	1:13:A:LEU:HD23	20	0.11
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	1	0.11
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	2	0.11
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	3	0.11
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	5	0.11
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	6	0.11
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	7	0.11
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	9	0.11
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	10	0.11
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	11	0.11
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	12	0.11
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	13	0.11
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	14	0.11
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	16	0.11
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	17	0.11
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	19	0.11
(1,448)	1:9:A:ARG:H	1:11:A:PHE:HA	20	0.11
(1,438)	1:9:A:ARG:HE	1:10:A:ASP:HA	2	0.11
(1,438)	1:9:A:ARG:HE	1:10:A:ASP:HA	6	0.11
(1,438)	1:9:A:ARG:HE	1:10:A:ASP:HA	7	0.11
(1,438)	1:9:A:ARG:HE	1:10:A:ASP:HA	10	0.11
(1,438)	1:9:A:ARG:HE	1:10:A:ASP:HA	13	0.11
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	4	0.11
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	4	0.11
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	4	0.11
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	4	0.11
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	4	0.11
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	4	0.11
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD2	8	0.11
(1,264)	1:6:A:ALA:HB1	1:9:A:ARG:HD3	8	0.11
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD2	8	0.11
(1,264)	1:6:A:ALA:HB2	1:9:A:ARG:HD3	8	0.11
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD2	8	0.11
(1,264)	1:6:A:ALA:HB3	1:9:A:ARG:HD3	8	0.11
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	10	0.11
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	12	0.11
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	15	0.11
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	16	0.11
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	18	0.11
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	19	0.11
(1,262)	1:6:A:ALA:HA	1:9:A:ARG:HE	20	0.11
(1,199)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	5	0.11
(1,199)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	5	0.11
(1,199)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	5	0.11
(1,199)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	5	0.11
(1,199)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	5	0.11
(1,199)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	5	0.11
(1,199)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	5	0.11
(1,199)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	5	0.11
(1,199)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	5	0.11
(1,199)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	5	0.11
(1,199)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	5	0.11
(1,199)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	5	0.11
(1,199)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	9	0.11
(1,199)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	9	0.11
(1,199)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	9	0.11
(1,199)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,199)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	9	0.11
(1,199)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	9	0.11
(1,199)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	9	0.11
(1,199)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	9	0.11
(1,199)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	9	0.11
(1,199)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	9	0.11
(1,199)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	9	0.11
(1,199)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	9	0.11
(1,199)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	19	0.11
(1,199)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	19	0.11
(1,199)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	19	0.11
(1,199)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	19	0.11
(1,199)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	19	0.11
(1,199)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	19	0.11
(1,199)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	19	0.11
(1,199)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	19	0.11
(1,199)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	19	0.11
(1,199)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	19	0.11
(1,199)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	19	0.11
(1,199)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	19	0.11
(1,197)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	2	0.11
(1,197)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	2	0.11
(1,197)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	2	0.11
(1,197)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	2	0.11
(1,197)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	2	0.11
(1,197)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	2	0.11
(1,197)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	14	0.11
(1,197)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	14	0.11
(1,197)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	14	0.11
(1,197)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	14	0.11
(1,197)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	14	0.11
(1,197)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	14	0.11
(1,197)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	17	0.11
(1,197)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	17	0.11
(1,197)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	17	0.11
(1,197)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	17	0.11
(1,197)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	17	0.11
(1,197)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	17	0.11
(1,197)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	19	0.11
(1,197)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	19	0.11
(1,197)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	19	0.11
(1,197)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	19	0.11
(1,197)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	19	0.11
(1,192)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	5	0.11
(1,192)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	5	0.11
(1,192)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	5	0.11
(1,192)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	5	0.11
(1,192)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	5	0.11
(1,192)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	5	0.11
(1,192)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	5	0.11
(1,192)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	5	0.11
(1,192)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	5	0.11
(1,192)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	5	0.11
(1,192)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	5	0.11
(1,192)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	5	0.11
(1,192)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	9	0.11
(1,192)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	9	0.11
(1,192)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	9	0.11
(1,192)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	9	0.11
(1,192)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	9	0.11
(1,192)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	9	0.11
(1,192)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	9	0.11
(1,192)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	9	0.11
(1,192)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	9	0.11
(1,192)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	9	0.11
(1,192)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	9	0.11
(1,192)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	9	0.11
(1,192)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	19	0.11
(1,192)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	19	0.11
(1,192)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	19	0.11
(1,192)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	19	0.11
(1,192)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	19	0.11
(1,192)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	19	0.11
(1,192)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	19	0.11
(1,192)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	19	0.11
(1,192)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	19	0.11
(1,192)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	19	0.11
(1,192)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	19	0.11
(1,192)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	19	0.11
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	16	0.11
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	16	0.11
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	18	0.11
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	3	0.11
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	3	0.11
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	11	0.11
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	11	0.11
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	15	0.11
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	15	0.11
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	20	0.11
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	20	0.11
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	3	0.11
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	3	0.11
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	11	0.11
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	11	0.11
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	15	0.11
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	15	0.11
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	20	0.11
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	20	0.11
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	14	0.11
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	14	0.11
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	14	0.11
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	14	0.11
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	14	0.11
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	14	0.11
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	14	0.11
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	14	0.11
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	14	0.11
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	14	0.11
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	14	0.11
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	14	0.11
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	17	0.11
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	17	0.11
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	17	0.11
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	17	0.11
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	17	0.11
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	17	0.11
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	17	0.11
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	17	0.11
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	17	0.11
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	17	0.11
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	17	0.11
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	17	0.11
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG2	10	0.1
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG3	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG2	14	0.1
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG3	14	0.1
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG2	16	0.1
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG3	16	0.1
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG2	17	0.1
(1,736)	1:16:A:LYS:HA	1:17:A:LYS:HG3	17	0.1
(1,724)	1:16:A:LYS:HA	1:16:A:LYS:HG2	15	0.1
(1,724)	1:16:A:LYS:HA	1:16:A:LYS:HG3	15	0.1
(1,647)	1:13:A:LEU:HA	1:16:A:LYS:H	11	0.1
(1,485)	1:10:A:ASP:HB2	1:11:A:PHE:HA	18	0.1
(1,485)	1:10:A:ASP:HB3	1:11:A:PHE:HA	18	0.1
(1,485)	1:10:A:ASP:HB2	1:11:A:PHE:HA	19	0.1
(1,485)	1:10:A:ASP:HB3	1:11:A:PHE:HA	19	0.1
(1,485)	1:10:A:ASP:HB2	1:11:A:PHE:HA	20	0.1
(1,485)	1:10:A:ASP:HB3	1:11:A:PHE:HA	20	0.1
(1,438)	1:9:A:ARG:HE	1:10:A:ASP:HA	5	0.1
(1,438)	1:9:A:ARG:HE	1:10:A:ASP:HA	9	0.1
(1,438)	1:9:A:ARG:HE	1:10:A:ASP:HA	14	0.1
(1,300)	1:7:A:PHE:H	1:8:A:PHE:HB2	6	0.1
(1,300)	1:7:A:PHE:H	1:8:A:PHE:HB3	6	0.1
(1,300)	1:7:A:PHE:H	1:8:A:PHE:HB2	10	0.1
(1,300)	1:7:A:PHE:H	1:8:A:PHE:HB3	10	0.1
(1,300)	1:7:A:PHE:H	1:8:A:PHE:HB2	16	0.1
(1,300)	1:7:A:PHE:H	1:8:A:PHE:HB3	16	0.1
(1,300)	1:7:A:PHE:H	1:8:A:PHE:HB2	20	0.1
(1,300)	1:7:A:PHE:H	1:8:A:PHE:HB3	20	0.1
(1,199)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	2	0.1
(1,199)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	2	0.1
(1,199)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	2	0.1
(1,199)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	2	0.1
(1,199)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	2	0.1
(1,199)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	2	0.1
(1,199)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	2	0.1
(1,199)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	2	0.1
(1,199)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	2	0.1
(1,199)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	2	0.1
(1,199)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	2	0.1
(1,199)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	2	0.1
(1,199)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	13	0.1
(1,199)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	13	0.1
(1,199)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	13	0.1
(1,199)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,199)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	13	0.1
(1,199)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	13	0.1
(1,199)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	13	0.1
(1,199)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	13	0.1
(1,199)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	13	0.1
(1,199)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	13	0.1
(1,199)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	13	0.1
(1,199)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	13	0.1
(1,199)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	14	0.1
(1,199)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	14	0.1
(1,199)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	14	0.1
(1,199)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	14	0.1
(1,199)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	14	0.1
(1,199)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	14	0.1
(1,199)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	14	0.1
(1,199)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	14	0.1
(1,199)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	14	0.1
(1,199)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	14	0.1
(1,199)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	14	0.1
(1,199)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	14	0.1
(1,199)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	17	0.1
(1,199)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	17	0.1
(1,199)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	17	0.1
(1,199)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	17	0.1
(1,199)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	17	0.1
(1,199)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	17	0.1
(1,199)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	17	0.1
(1,199)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	17	0.1
(1,199)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	17	0.1
(1,199)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	17	0.1
(1,199)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	17	0.1
(1,199)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	17	0.1
(1,197)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	3	0.1
(1,197)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	3	0.1
(1,197)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	3	0.1
(1,197)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	3	0.1
(1,197)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	3	0.1
(1,197)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	3	0.1
(1,197)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	5	0.1
(1,197)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	5	0.1
(1,197)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	5	0.1
(1,197)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	5	0.1
(1,197)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	5	0.1
(1,197)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	6	0.1
(1,197)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	6	0.1
(1,197)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	6	0.1
(1,197)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	6	0.1
(1,197)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	6	0.1
(1,197)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	6	0.1
(1,197)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	7	0.1
(1,197)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	7	0.1
(1,197)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	7	0.1
(1,197)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	7	0.1
(1,197)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	7	0.1
(1,197)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	7	0.1
(1,197)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	10	0.1
(1,197)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	10	0.1
(1,197)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	10	0.1
(1,197)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	10	0.1
(1,197)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	10	0.1
(1,197)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	10	0.1
(1,197)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	11	0.1
(1,197)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	11	0.1
(1,197)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	11	0.1
(1,197)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	11	0.1
(1,197)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	11	0.1
(1,197)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	11	0.1
(1,197)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	13	0.1
(1,197)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	13	0.1
(1,197)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	13	0.1
(1,197)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	13	0.1
(1,197)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	13	0.1
(1,197)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	13	0.1
(1,197)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	15	0.1
(1,197)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	15	0.1
(1,197)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	15	0.1
(1,197)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	15	0.1
(1,197)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	15	0.1
(1,197)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	15	0.1
(1,197)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	16	0.1
(1,197)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	16	0.1
(1,197)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	16	0.1
(1,197)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	16	0.1
(1,197)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	16	0.1
(1,197)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	18	0.1
(1,197)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	18	0.1
(1,197)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	18	0.1
(1,197)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	18	0.1
(1,197)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	18	0.1
(1,197)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	18	0.1
(1,197)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	20	0.1
(1,197)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	20	0.1
(1,197)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	20	0.1
(1,197)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	20	0.1
(1,197)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	20	0.1
(1,197)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	20	0.1
(1,192)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	2	0.1
(1,192)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	2	0.1
(1,192)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	2	0.1
(1,192)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	2	0.1
(1,192)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	2	0.1
(1,192)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	2	0.1
(1,192)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	2	0.1
(1,192)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	2	0.1
(1,192)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	2	0.1
(1,192)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	2	0.1
(1,192)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	2	0.1
(1,192)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	2	0.1
(1,192)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	13	0.1
(1,192)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	13	0.1
(1,192)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	13	0.1
(1,192)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	13	0.1
(1,192)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	13	0.1
(1,192)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	13	0.1
(1,192)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	13	0.1
(1,192)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	13	0.1
(1,192)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	13	0.1
(1,192)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	13	0.1
(1,192)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	13	0.1
(1,192)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	13	0.1
(1,192)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	14	0.1
(1,192)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	14	0.1
(1,192)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	14	0.1
(1,192)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	14	0.1
(1,192)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	14	0.1
(1,192)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	14	0.1
(1,192)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	14	0.1
(1,192)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	14	0.1
(1,192)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	14	0.1
(1,192)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	14	0.1
(1,192)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	14	0.1
(1,192)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	17	0.1
(1,192)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	17	0.1
(1,192)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	17	0.1
(1,192)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	17	0.1
(1,192)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	17	0.1
(1,192)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	17	0.1
(1,192)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	17	0.1
(1,192)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	17	0.1
(1,192)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	17	0.1
(1,192)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	17	0.1
(1,192)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	17	0.1
(1,192)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	17	0.1
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	2	0.1
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	2	0.1
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	4	0.1
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	4	0.1
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	6	0.1
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	6	0.1
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	8	0.1
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	8	0.1
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	10	0.1
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	10	0.1
(1,96)	1:3:A:ARG:HD2	1:4:A:LEU:H	12	0.1
(1,96)	1:3:A:ARG:HD3	1:4:A:LEU:H	12	0.1
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	5	0.1
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	5	0.1
(1,83)	1:3:A:ARG:HG2	1:3:A:ARG:H	14	0.1
(1,83)	1:3:A:ARG:HG3	1:3:A:ARG:H	14	0.1
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	5	0.1
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	5	0.1
(1,82)	1:3:A:ARG:HG2	1:3:A:ARG:H	14	0.1
(1,82)	1:3:A:ARG:HG3	1:3:A:ARG:H	14	0.1
(1,45)	1:2:A:MET:HB2	1:5:A:SER:HB2	17	0.1
(1,45)	1:2:A:MET:HB2	1:5:A:SER:HB3	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:2:A:MET:HB3	1:5:A:SER:HB2	17	0.1
(1,45)	1:2:A:MET:HB3	1:5:A:SER:HB3	17	0.1
(1,44)	1:2:A:MET:HB2	1:5:A:SER:HB2	17	0.1
(1,44)	1:2:A:MET:HB2	1:5:A:SER:HB3	17	0.1
(1,44)	1:2:A:MET:HB3	1:5:A:SER:HB2	17	0.1
(1,44)	1:2:A:MET:HB3	1:5:A:SER:HB3	17	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	2	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	2	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	2	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	2	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	2	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	2	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	2	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	2	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	2	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	2	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	2	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	2	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	5	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	5	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	5	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	5	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	5	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	5	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	5	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	5	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	5	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	5	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	5	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	5	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	13	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	13	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	13	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	13	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	13	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	13	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	13	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	13	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	13	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	13	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	13	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD11	19	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD12	19	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD13	19	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD21	19	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD22	19	0.1
(1,30)	1:2:A:MET:HB2	1:4:A:LEU:HD23	19	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD11	19	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD12	19	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD13	19	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD21	19	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD22	19	0.1
(1,30)	1:2:A:MET:HB3	1:4:A:LEU:HD23	19	0.1

10 Dihedral-angle violation analysis

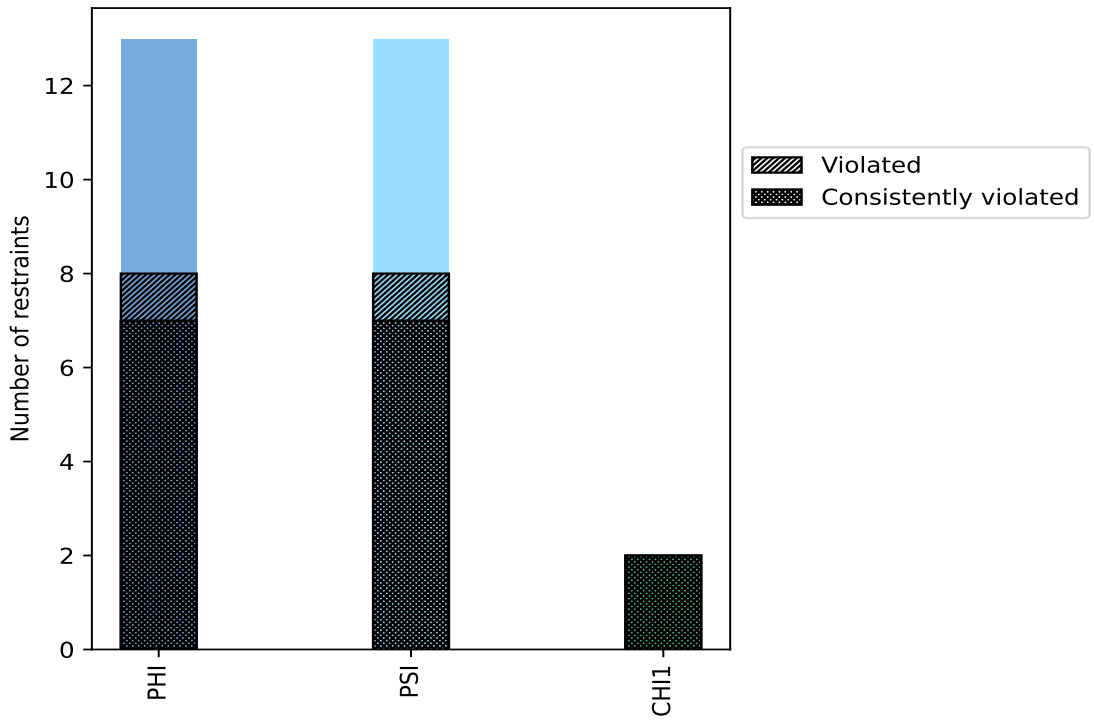
10.1 Summary of dihedral-angle violations

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

Angle type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
PHI	13	46.4	8	61.5	28.6	7	53.8	25.0
PSI	13	46.4	8	61.5	28.6	7	53.8	25.0
CHI1	2	7.1	2	100.0	7.1	2	100.0	7.1
Total	28	100.0	18	64.3	64.3	16	57.1	57.1

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations



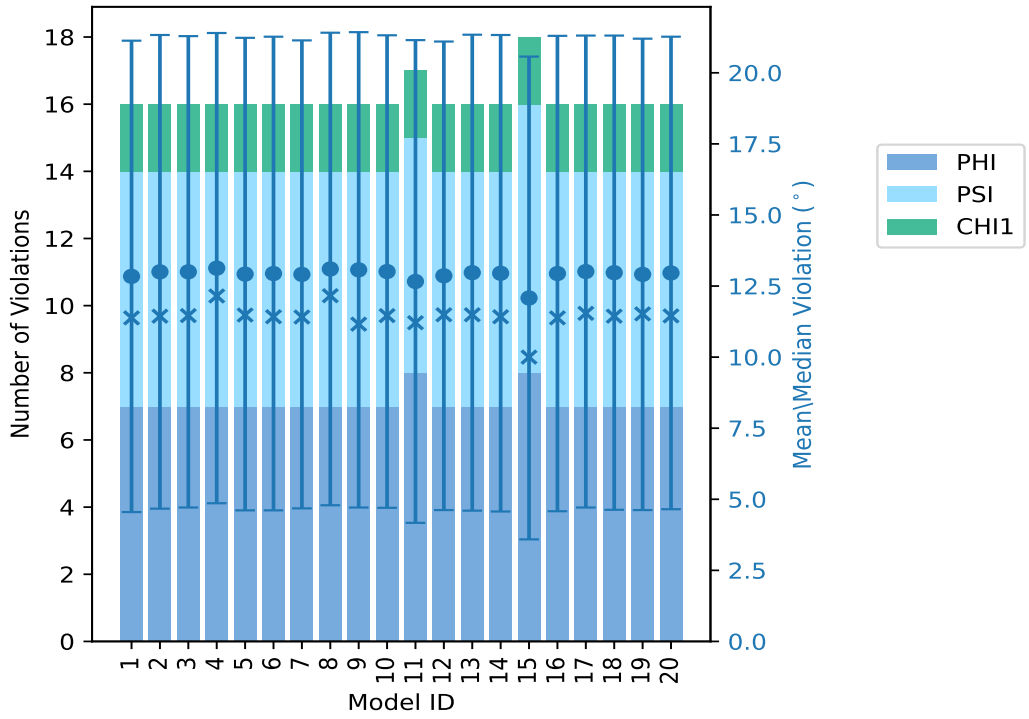
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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

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

Model ID	Number of violations				Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	CHI1	Total				
1	7	7	2	16	12.84	29.07	8.29	11.38
2	7	7	2	16	13.0	29.15	8.33	11.44
3	7	7	2	16	13.0	29.0	8.29	11.46
4	7	7	2	16	13.13	28.83	8.27	12.15
5	7	7	2	16	12.92	29.2	8.31	11.48
6	7	7	2	16	12.94	29.07	8.33	11.42
7	7	7	2	16	12.91	28.96	8.23	11.41
8	7	7	2	16	13.1	28.86	8.31	12.16
9	7	7	2	16	13.07	29.11	8.36	11.16
10	7	7	2	16	13.01	29.05	8.31	11.46
11	8	7	2	17	12.66	29.07	8.49	11.21
12	7	7	2	16	12.86	29.01	8.24	11.49
13	7	7	2	16	12.97	29.05	8.37	11.49
14	7	7	2	16	12.95	29.14	8.38	11.42
15	8	8	2	18	12.08	28.71	8.49	10.0
16	7	7	2	16	12.94	29.1	8.36	11.38
17	7	7	2	16	13.01	29.09	8.3	11.54
18	7	7	2	16	12.97	29.06	8.34	11.44
19	7	7	2	16	12.91	29.06	8.29	11.52
20	7	7	2	16	12.96	29.09	8.31	11.45

10.2.1 Bar graph : Dihedral violation statistics for each model



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

10.3 Dihedral-angle violation statistics for the ensemble

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

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

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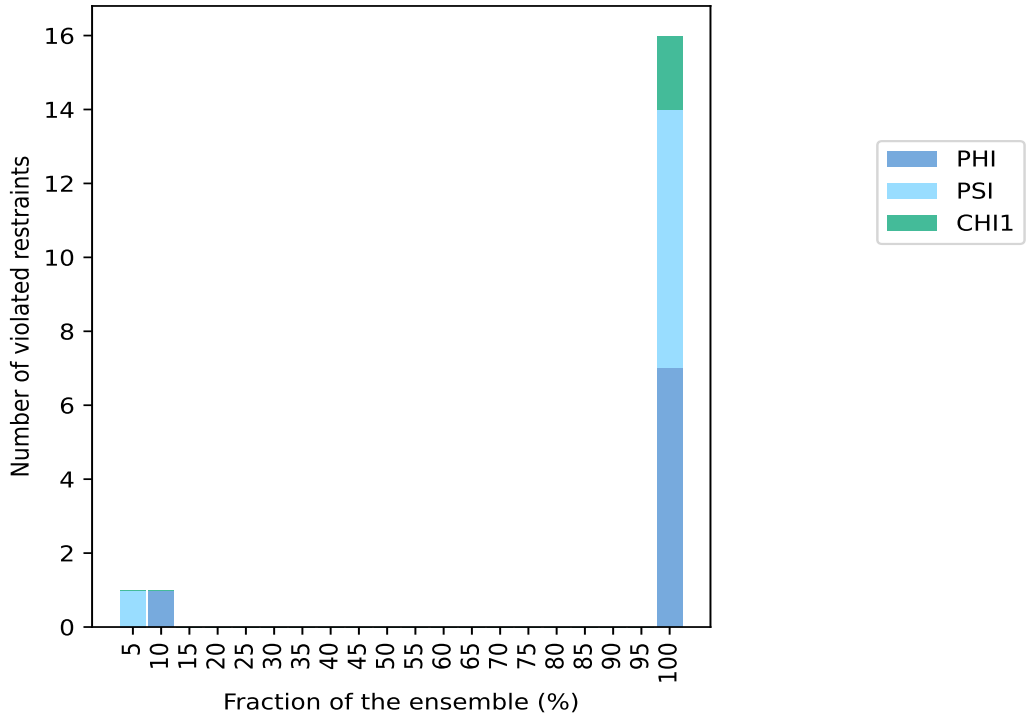
Number of violated restraints				Fraction of the ensemble	
PHI	PSI	CHI1	Total	Count[1]	%
0	0	0	0	12	60.0
0	0	0	0	13	65.0
0	0	0	0	14	70.0
0	0	0	0	15	75.0
0	0	0	0	16	80.0
0	0	0	0	17	85.0
0	0	0	0	18	90.0
0	0	0	0	19	95.0
7	7	2	16	20	100.0

[1] Number of models with violations

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

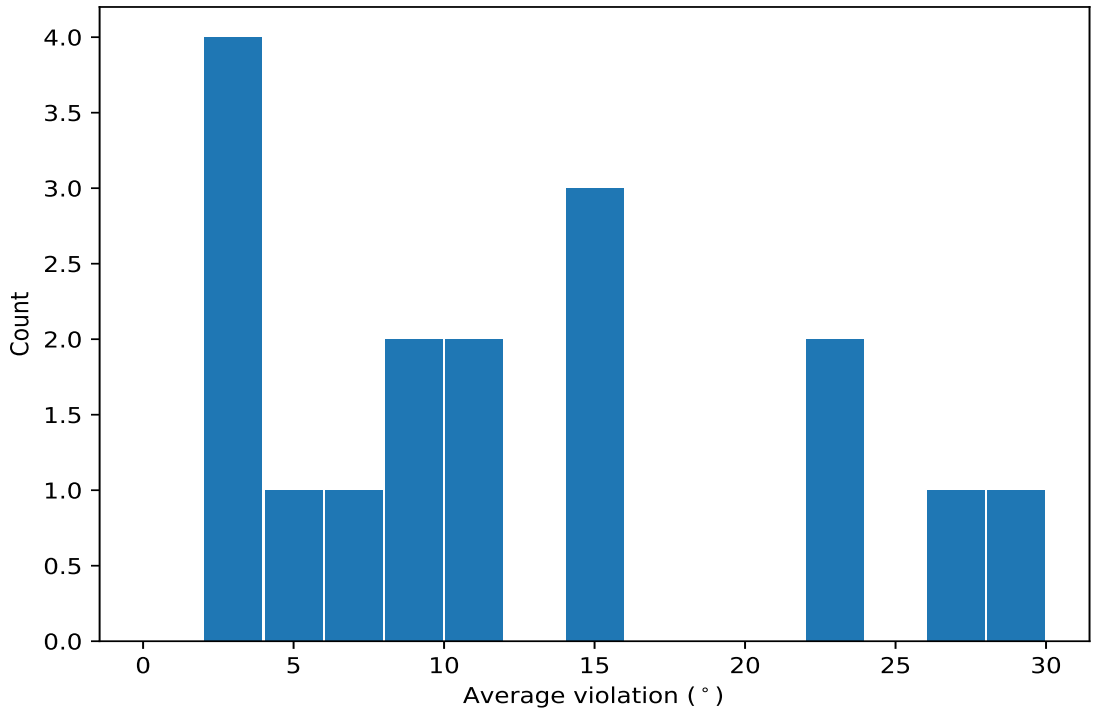


10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints

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

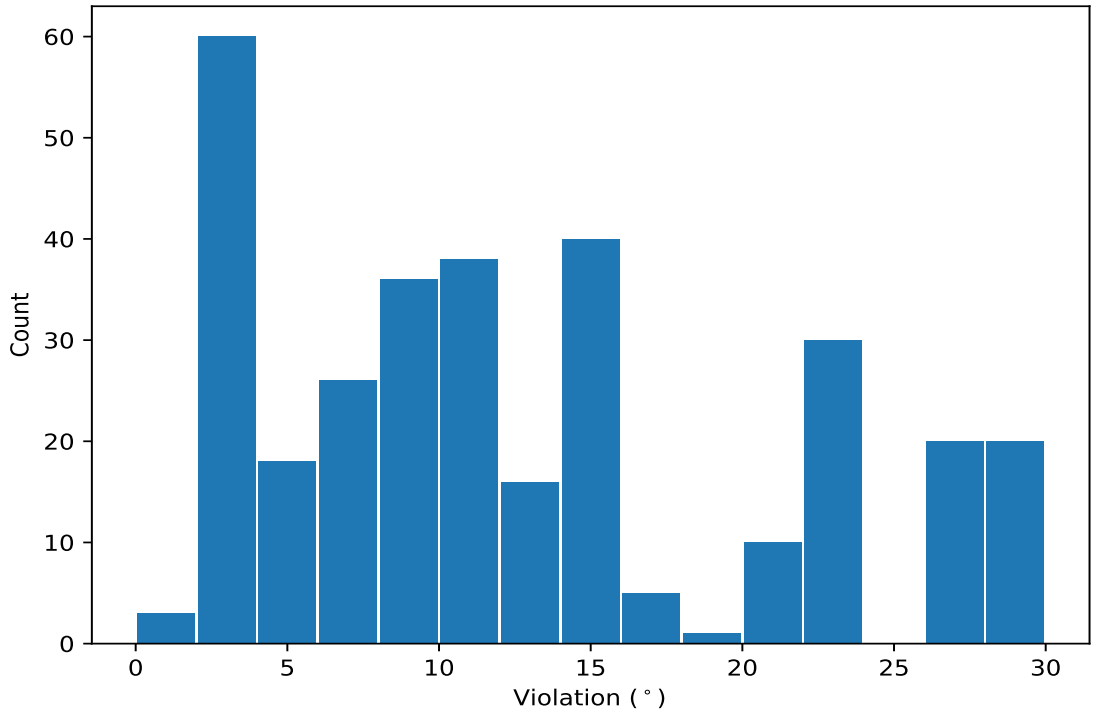
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	20	29.03	0.11	29.06
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	20	27.64	0.15	27.66
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	20	22.27	0.63	22.48
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	20	22.16	0.22	22.12
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	20	15.84	0.2	15.86
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	20	15.57	0.27	15.42
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	20	14.47	1.34	13.91
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	20	11.93	0.44	11.81
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	20	11.08	0.16	11.08
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	20	8.85	0.17	8.87
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	20	8.06	0.1	8.09
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	20	6.55	0.53	6.42
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	20	5.9	0.24	5.88
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	20	3.3	0.2	3.27
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	20	2.8	0.22	2.89
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	20	2.63	0.36	2.69
(1,21)	1:13:A:LEU:C	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	2	2.03	0.36	2.03

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

10.5 All violated dihedral-angle restraints (i)

10.5.1 Histogram : Distribution of violations (i)

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



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

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	5	29.2
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	2	29.15
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	14	29.14
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	9	29.11
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	16	29.1
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	17	29.09
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	20	29.09
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1	29.07
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	6	29.07
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	11	29.07
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	18	29.06
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	19	29.06
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	10	29.05
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	13	29.05

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	12	29.01
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	3	29.0
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	7	28.96
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	8	28.86
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	4	28.83
(1,11)	1:8:A:PHE:C	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	15	28.71
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	14	27.78
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	9	27.77
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	12	27.76
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	13	27.76
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	11	27.74
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	5	27.73
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	19	27.72
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	17	27.71
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	2	27.66
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	6	27.66
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	1	27.65
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	20	27.64
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	18	27.63
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	3	27.62
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	15	27.62
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	16	27.62
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	10	27.6
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	7	27.59
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	4	27.24
(1,27)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:CB	1:8:A:PHE:CG	8	27.21
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	15	23.96
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	9	22.78
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	4	22.76
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	3	22.72
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	8	22.72
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	10	22.69
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	18	22.69
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	13	22.65
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	16	22.6
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	2	22.58
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	14	22.55
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	17	22.53
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	20	22.44
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	6	22.35
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	10	22.19
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	14	22.19
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	5	22.15
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	11	22.15
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	16	22.15
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	3	22.14
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	7	22.14
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	6	22.12
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	18	22.12
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	13	22.11
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	19	22.11

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	1	22.09
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	2	22.08
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	12	22.08
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	9	22.06
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	20	22.04
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	17	21.95
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	8	21.88
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	7	21.82
(1,12)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	15	21.75
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	4	21.71
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	5	21.69
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	19	21.65
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	1	21.52
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	12	21.42
(1,26)	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1:17:A:LYS:N	11	21.2
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	11	19.35
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	15	16.39
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	9	16.37
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	17	16.15
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	10	16.09
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	6	16.01
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	9	15.96
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	13	15.96
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	16	15.95
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	5	15.93
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	3	15.93
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	18	15.93
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	20	15.92
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	4	15.91
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	7	15.91
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	15	15.9
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	2	15.87
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	19	15.86
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	8	15.83
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	19	15.79
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1	15.78
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	11	15.78
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	13	15.77
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	2	15.75
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	14	15.73
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	12	15.71
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	4	15.7
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	8	15.7
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	14	15.66
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	4	15.5
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	8	15.5
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	5	15.47
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	1	15.43
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	16	15.41
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	6	15.39
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	10	15.39

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1)	1:3:A:ARG:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	17	15.39
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	12	15.36
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	20	15.36
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	3	15.34
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	15	15.33
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	7	15.32
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	18	15.31
(1,4)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:ALA:N	11	15.27
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	2	14.08
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	18	14.02
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	1	13.98
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	10	13.95
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	17	13.95
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	9	13.92
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	3	13.9
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	14	13.9
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	5	13.89
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	6	13.88
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	20	13.87
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	13	13.86
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	16	13.85
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	7	13.81
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	19	13.8
(1,25)	1:15:A:ARG:C	1:16:A:LYS:N	1:16:A:LYS:CA	1:16:A:LYS:C	12	13.6
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	8	13.24
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	4	13.21
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	12	11.93
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	19	11.92
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	20	11.87
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	18	11.86
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	10	11.85
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	14	11.83
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	17	11.83
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	9	11.82
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	3	11.8
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	7	11.8
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	15	11.78
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	6	11.76
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	13	11.76
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1	11.75
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	16	11.75
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	5	11.68
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	2	11.66
(1,15)	1:10:A:ASP:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	11	11.53
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	5	11.28
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	17	11.25
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	2	11.22
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	13	11.22
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	11	11.21
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	15	11.15
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	19	11.13

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	3	11.11
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	4	11.09
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	6	11.09
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	10	11.08
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	8	11.07
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	12	11.05
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	20	11.03
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	7	11.02
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	16	11.02
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	18	11.02
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1	11.01
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	14	11.01
(1,3)	1:4:A:LEU:C	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	9	10.49
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	9	9.34
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	11	9.05
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	4	8.97
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	16	8.94
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	6	8.93
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	5	8.89
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	7	8.88
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	17	8.88
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	20	8.88
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	3	8.87
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	8	8.87
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	10	8.87
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	15	8.86
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	12	8.85
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	18	8.81
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	1	8.79
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	2	8.64
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	19	8.61
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	13	8.6
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	11	8.56
(1,5)	1:5:A:SER:C	1:6:A:ALA:N	1:6:A:ALA:CA	1:6:A:ALA:C	14	8.5
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	9	8.26
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	17	8.25
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	2	8.15
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	18	8.14
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	20	8.14
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	5	8.11
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	10	8.11
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	4	8.1
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	8	8.1
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	14	8.1
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	16	8.08
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	3	8.05
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	6	8.01
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	13	8.01
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	11	8.0
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	7	7.97
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	19	7.95

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	12	7.94
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	1	7.9
(1,10)	1:8:A:PHE:N	1:8:A:PHE:CA	1:8:A:PHE:C	1:9:A:ARG:N	15	7.87
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	15	7.41
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	9	6.6
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	2	6.52
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	20	6.51
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	3	6.5
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	4	6.47
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	6	6.45
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	17	6.44
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	10	6.42
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	18	6.42
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	8	6.42
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	13	6.41
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	14	6.41
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	7	6.4
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	19	6.4
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	16	6.39
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	5	6.36
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	12	6.31
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	1	6.3
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	4	6.1
(1,24)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	8	6.05
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	10	5.95
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	16	5.95
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	7	5.94
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	14	5.94
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	20	5.91
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	3	5.89
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	19	5.89
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	6	5.88
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	2	5.87
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	18	5.87
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	9	5.86
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	1	5.85
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	5	5.85
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	12	5.85
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	13	5.82
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	17	5.78
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	11	5.73
(1,13)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	15	5.23
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	8	3.94
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	4	3.78
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	15	3.48
(1,22)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	15	3.42
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	3	3.32
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	18	3.31
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	11	3.3
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	12	3.3
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	5	3.29

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	17	3.29
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	20	3.29
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	6	3.28
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	10	3.26
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	14	3.24
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	7	3.22
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	2	3.2
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	1	3.19
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	15	3.19
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	16	3.17
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	9	3.15
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	19	3.15
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	3	3.1
(1,8)	1:7:A:PHE:N	1:7:A:PHE:CA	1:7:A:PHE:C	1:8:A:PHE:N	13	3.1
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	2	3.05
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	15	3.05
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	7	3.04
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	4	2.98
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	12	2.95
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	10	2.94
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	11	2.94
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	9	2.91
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	17	2.91
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	13	2.87
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	19	2.83
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	17	2.79
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	7	2.78
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	11	2.75
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	10	2.73
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	18	2.73
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	20	2.73
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	1	2.72
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	14	2.7
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	6	2.69
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	12	2.69
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	9	2.68
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	3	2.65
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	19	2.65
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	13	2.64
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	5	2.63
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	14	2.59
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	20	2.59
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	16	2.58
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	2	2.57
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	5	2.56
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	18	2.55
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	16	2.55
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	6	2.5
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	1	2.49
(1,28)	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:CB	1:10:A:ASP:CG	8	2.48
(1,21)	1:13:A:LEU:C	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	15	2.39

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	8	1.75
(1,21)	1:13:A:LEU:C	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	11	1.67
(1,16)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:ILE:N	4	1.65