



Full wwPDB NMR Structure Validation Report ⓘ

Dec 25, 2024 – 07:33 AM EST

PDB ID : 6COP
BMRB ID : 30428
Title : CSP1-R3A
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Deposited on : 2018-03-12

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 ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity : 4.02b-467
Percentile statistics : 20231227.v01 (using entries in the PDB archive December 27th 2023)
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) : 2.40

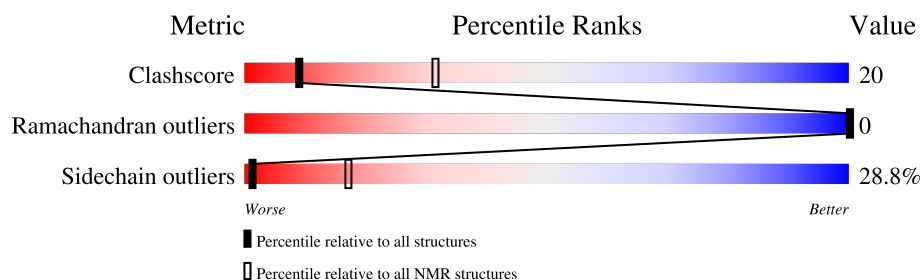
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 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	210492	14027
Ramachandran outliers	207382	12486
Sidechain outliers	206894	12463

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

Mol	Chain	Length	Quality of chain
1	A	17	

2 Ensemble composition and analysis

This entry contains 20 models. Model 19 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:15 (14)	0.07	19

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

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

The models can be grouped into 4 clusters and 2 single-model clusters were found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 316 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
1	A	17	Total	C	H	N	O	S	0
			316	100	164	27	24	1	

There is a discrepancy between the modelled and reference sequences:

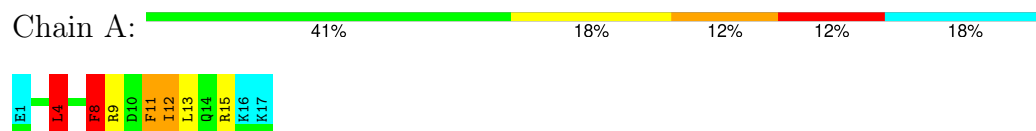
Chain	Residue	Modelled	Actual	Comment	Reference
A	3	ALA	ARG	engineered mutation	UNP P60242

4 Residue-property plots [i](#)

4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: Competence-stimulating peptide type 1

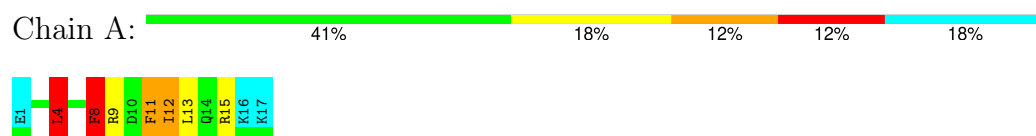


4.2 Scores per residue for each member of the ensemble

Colouring as in section [4.1](#) above.

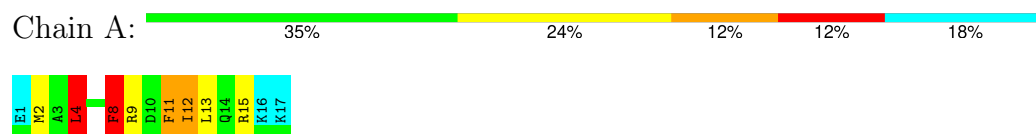
4.2.1 Score per residue for model 1

- Molecule 1: Competence-stimulating peptide type 1



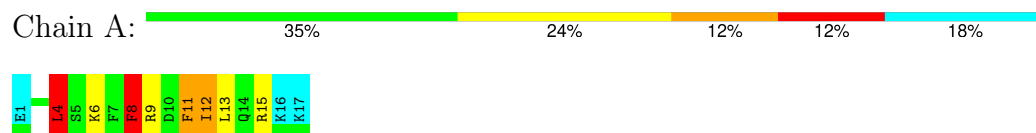
4.2.2 Score per residue for model 2

- Molecule 1: Competence-stimulating peptide type 1



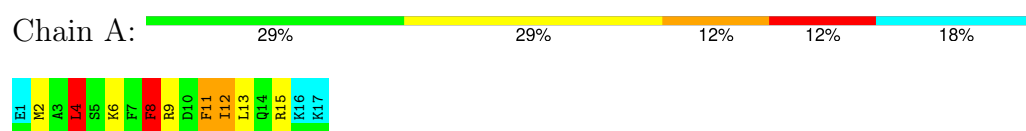
4.2.3 Score per residue for model 3

- Molecule 1: Competence-stimulating peptide type 1



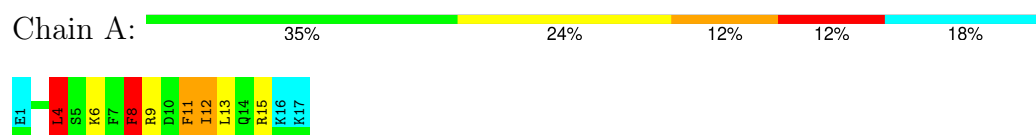
4.2.4 Score per residue for model 4

- Molecule 1: Competence-stimulating peptide type 1



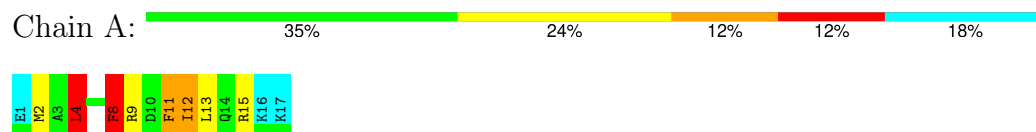
4.2.5 Score per residue for model 5

- Molecule 1: Competence-stimulating peptide type 1



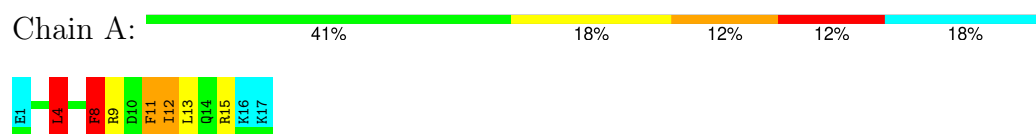
4.2.6 Score per residue for model 6

- Molecule 1: Competence-stimulating peptide type 1



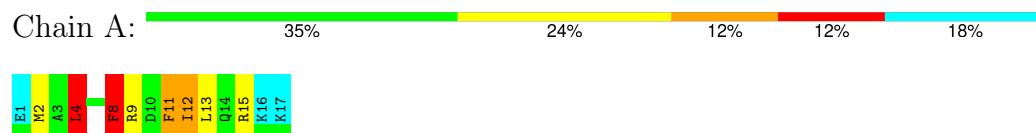
4.2.7 Score per residue for model 7

- Molecule 1: Competence-stimulating peptide type 1



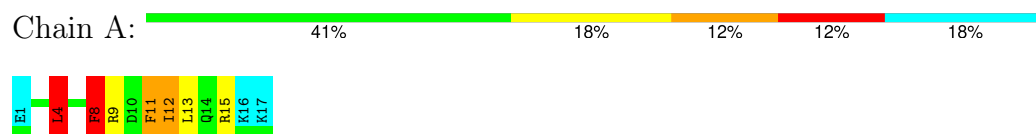
4.2.8 Score per residue for model 8

- Molecule 1: Competence-stimulating peptide type 1



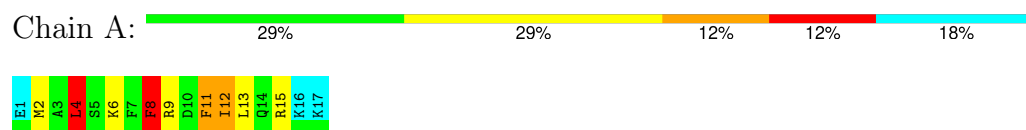
4.2.9 Score per residue for model 9

- Molecule 1: Competence-stimulating peptide type 1



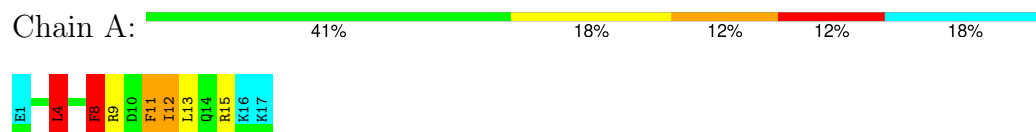
4.2.10 Score per residue for model 10

- Molecule 1: Competence-stimulating peptide type 1



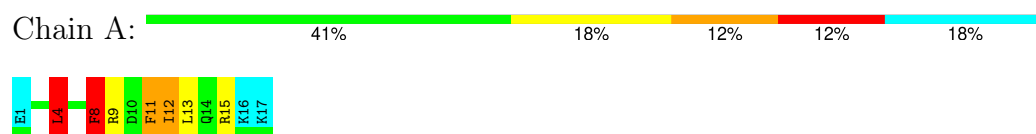
4.2.11 Score per residue for model 11

- Molecule 1: Competence-stimulating peptide type 1



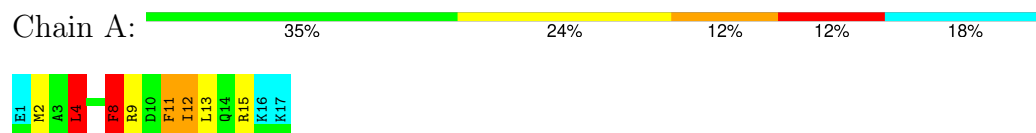
4.2.12 Score per residue for model 12

- Molecule 1: Competence-stimulating peptide type 1



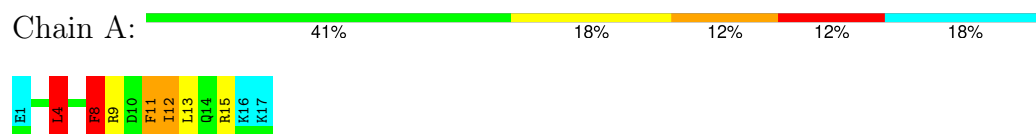
4.2.13 Score per residue for model 13

- Molecule 1: Competence-stimulating peptide type 1



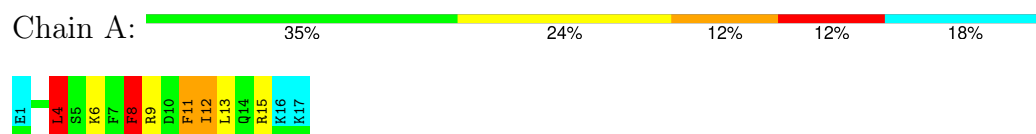
4.2.14 Score per residue for model 14

- Molecule 1: Competence-stimulating peptide type 1



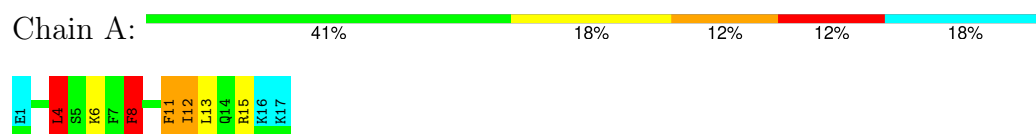
4.2.15 Score per residue for model 15

- Molecule 1: Competence-stimulating peptide type 1



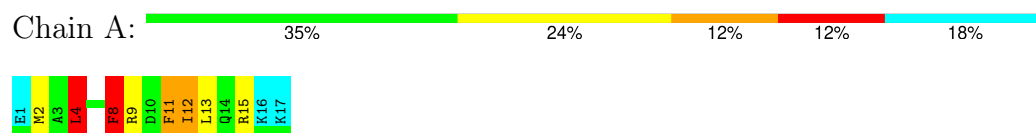
4.2.16 Score per residue for model 16

- Molecule 1: Competence-stimulating peptide type 1



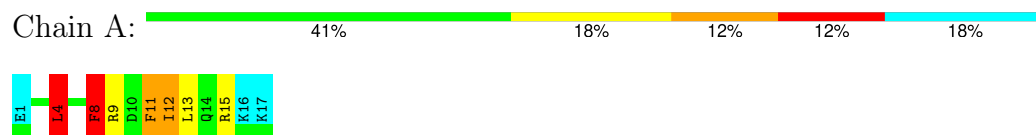
4.2.17 Score per residue for model 17

- Molecule 1: Competence-stimulating peptide type 1



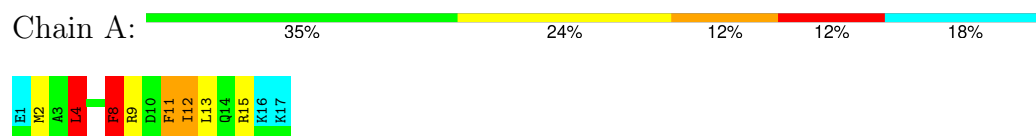
4.2.18 Score per residue for model 18

- Molecule 1: Competence-stimulating peptide type 1



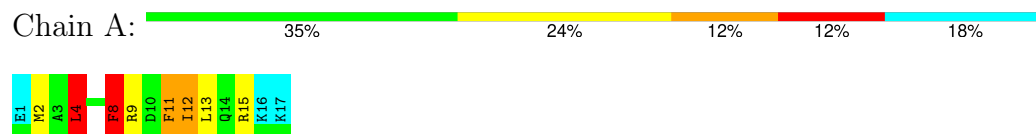
4.2.19 Score per residue for model 19 (medoid)

- Molecule 1: Competence-stimulating peptide type 1



4.2.20 Score per residue for model 20

- Molecule 1: Competence-stimulating peptide type 1



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	154
Number of shifts mapped to atoms	154
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	1.95±0.01	3±0/127 (2.3± 0.2%)	1.95±0.01	5±0/168 (2.9± 0.1%)
All	All	1.95	59/2540 (2.3%)	1.95	99/3360 (2.9%)

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	8	PHE	CD2-CE2	-7.34	1.24	1.39	14	20
1	A	15	ARG	NE-CZ	5.38	1.40	1.33	14	20
1	A	9	ARG	NE-CZ	5.19	1.39	1.33	14	19

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

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	8	PHE	CB-CG-CD2	-11.04	113.07	120.80	13	20
1	A	11	PHE	CB-CG-CD1	-8.15	115.09	120.80	14	20
1	A	4	LEU	CB-CA-C	-6.71	97.44	110.20	4	20
1	A	11	PHE	CB-CG-CD2	5.57	124.70	120.80	14	20
1	A	11	PHE	CB-CA-C	-5.47	99.46	110.40	3	19

There are no chirality outliers.

All unique planar outliers are listed below.

Mol	Chain	Res	Type	Group	Models (Total)
1	A	8	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	124	130	130	5±0
All	All	2480	2600	2600	103

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 20.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:8:PHE:CD2	1:A:12:ILE:HD11	0.70	2.22	14	20
1:A:8:PHE:HD2	1:A:12:ILE:HD11	0.66	1.51	20	20
1:A:13:LEU:HD12	1:A:13:LEU:N	0.47	2.25	19	20
1:A:12:ILE:HD12	1:A:13:LEU:CD1	0.46	2.40	13	20
1:A:4:LEU:O	1:A:8:PHE:N	0.42	2.53	3	20
1:A:12:ILE:H	1:A:12:ILE:HG13	0.40	1.59	6	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	14/17 (82%)	14±0 (99±2%)	0±0 (1±2%)	0±0 (0±0%)	100	100
All	All	280/340 (82%)	278 (99%)	2 (1%)	0 (0%)	100	100

There are no Ramachandran outliers.

6.3.2 Protein sidechains [i](#)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	13/16 (81%)	9±1 (71±5%)	4±1 (29±5%)	1	17
All	All	260/320 (81%)	185 (71%)	75 (29%)	1	17

All 5 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	11	PHE	20
1	A	12	ILE	20
1	A	2	MET	9
1	A	6	LYS	6

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

6.4 Non-standard residues in protein, DNA, RNA chains [i](#)

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 60% for the well-defined parts and 56% 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	154
Number of shifts mapped to atoms	154
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. 136 atoms were assigned a chemical shift out of a possible 228. 0 out of 2 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	54/70 (77%)	27/28 (96%)	14/28 (50%)	13/14 (93%)
Sidechain	78/128 (61%)	65/83 (78%)	13/37 (35%)	0/8 (0%)
Aromatic	4/30 (13%)	4/15 (27%)	0/15 (0%)	0/0 (—%)
Overall	136/228 (60%)	96/126 (76%)	27/80 (34%)	13/22 (59%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 56%, i.e. 154 atoms were assigned a chemical shift out of a possible 276. 0 out of 2 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	62/85 (73%)	31/34 (91%)	16/34 (47%)	15/17 (88%)
Sidechain	88/161 (55%)	73/103 (71%)	15/48 (31%)	0/10 (0%)
Aromatic	4/30 (13%)	4/15 (27%)	0/15 (0%)	0/0 (—%)
Overall	154/276 (56%)	108/152 (71%)	31/97 (32%)	15/27 (56%)

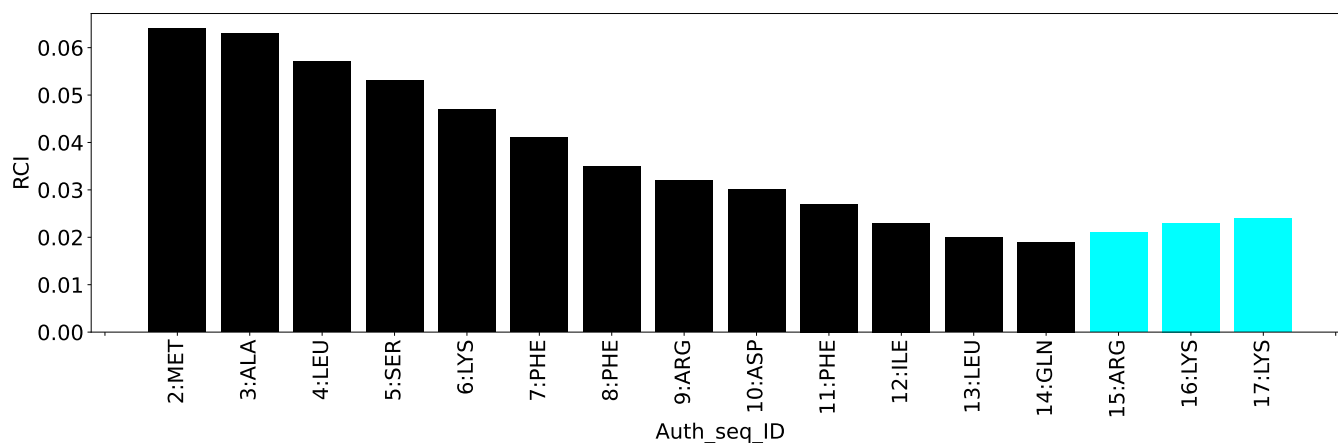
7.1.4 Statistically unusual chemical shifts [i](#)

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	481
Intra-residue ($ i-j =0$)	183
Sequential ($ i-j =1$)	135
Medium range ($ i-j >1$ and $ i-j <5$)	149
Long range ($ i-j \geq 5$)	6
Inter-chain	0
Hydrogen bond restraints	8
Disulfide bond restraints	0
Total dihedral-angle restraints	32
Number of unmapped restraints	0
Number of restraints per residue	30.2
Number of long range restraints per residue ¹	0.4

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	25.2	0.2
0.2-0.5 (Medium)	98.5	0.5
>0.5 (Large)	70.5	0.95

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)	8.6	9.98
10.0-20.0 (Medium)	4.0	14.22
>20.0 (Large)	None	None

9 Distance violation analysis ⓘ

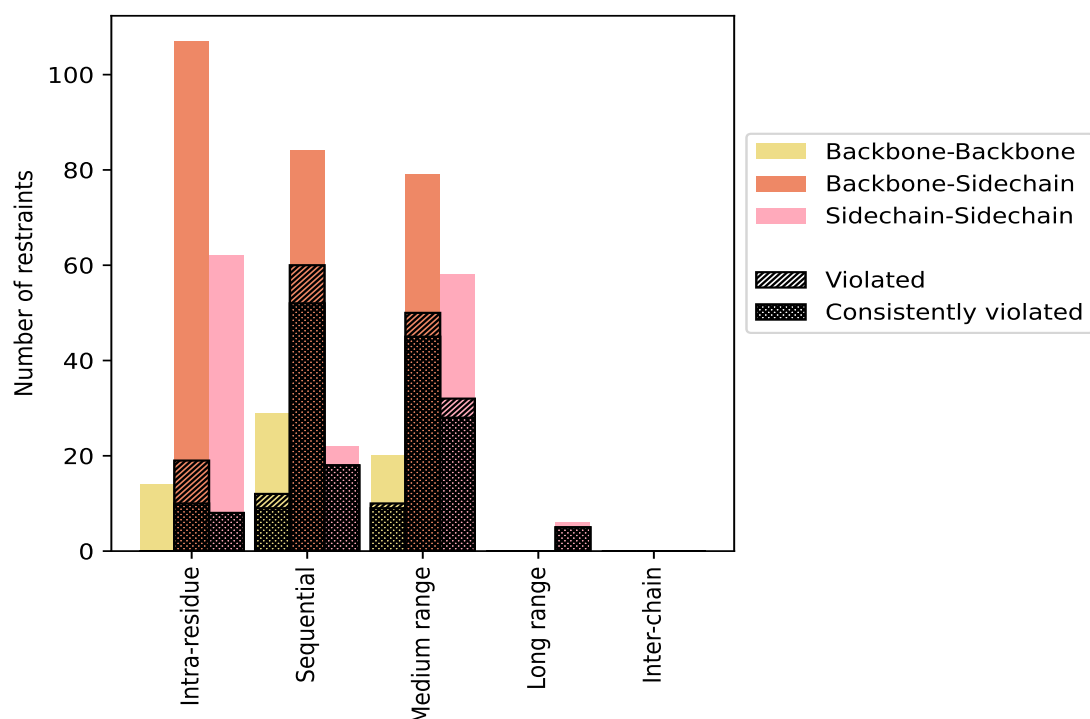
9.1 Summary of distance violations ⓘ

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

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue (i-j =0)	183	38.0	27	14.8	5.6	18	9.8	3.7
Backbone-Backbone	14	2.9	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	107	22.2	19	17.8	4.0	10	9.3	2.1
Sidechain-Sidechain	62	12.9	8	12.9	1.7	8	12.9	1.7
Sequential (i-j =1)	135	28.1	90	66.7	18.7	79	58.5	16.4
Backbone-Backbone	29	6.0	12	41.4	2.5	9	31.0	1.9
Backbone-Sidechain	84	17.5	60	71.4	12.5	52	61.9	10.8
Sidechain-Sidechain	22	4.6	18	81.8	3.7	18	81.8	3.7
Medium range (i-j >1 & i-j <5)	149	31.0	87	58.4	18.1	78	52.3	16.2
Backbone-Backbone	20	4.2	10	50.0	2.1	9	45.0	1.9
Backbone-Sidechain	71	14.8	45	63.4	9.4	41	57.7	8.5
Sidechain-Sidechain	58	12.1	32	55.2	6.7	28	48.3	5.8
Long range (i-j ≥5)	6	1.2	5	83.3	1.0	5	83.3	1.0
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	6	1.2	5	83.3	1.0	5	83.3	1.0
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	8	1.7	5	62.5	1.0	4	50.0	0.8
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	481	100.0	214	44.5	44.5	184	38.3	38.3
Backbone-Backbone	63	13.1	22	34.9	4.6	18	28.6	3.7
Backbone-Sidechain	270	56.1	129	47.8	26.8	107	39.6	22.2
Sidechain-Sidechain	148	30.8	63	42.6	13.1	59	39.9	12.3

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

9.1.1 Bar chart : Distribution of distance restraints and violations [i](#)



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

9.2 Distance violation statistics for each model [i](#)

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	21	84	87	5	0	197	0.43	0.92	0.19	0.45
2	21	86	86	5	0	198	0.43	0.92	0.19	0.42
3	21	85	88	5	0	199	0.43	0.93	0.19	0.44
4	22	83	86	5	0	196	0.43	0.93	0.19	0.44
5	22	83	87	5	0	197	0.43	0.92	0.18	0.44
6	22	81	87	5	0	195	0.43	0.95	0.19	0.44
7	22	83	88	5	0	198	0.43	0.93	0.19	0.44
8	22	83	86	5	0	196	0.43	0.95	0.19	0.43
9	21	82	87	5	0	195	0.43	0.92	0.19	0.43
10	23	81	88	5	0	197	0.43	0.95	0.19	0.44

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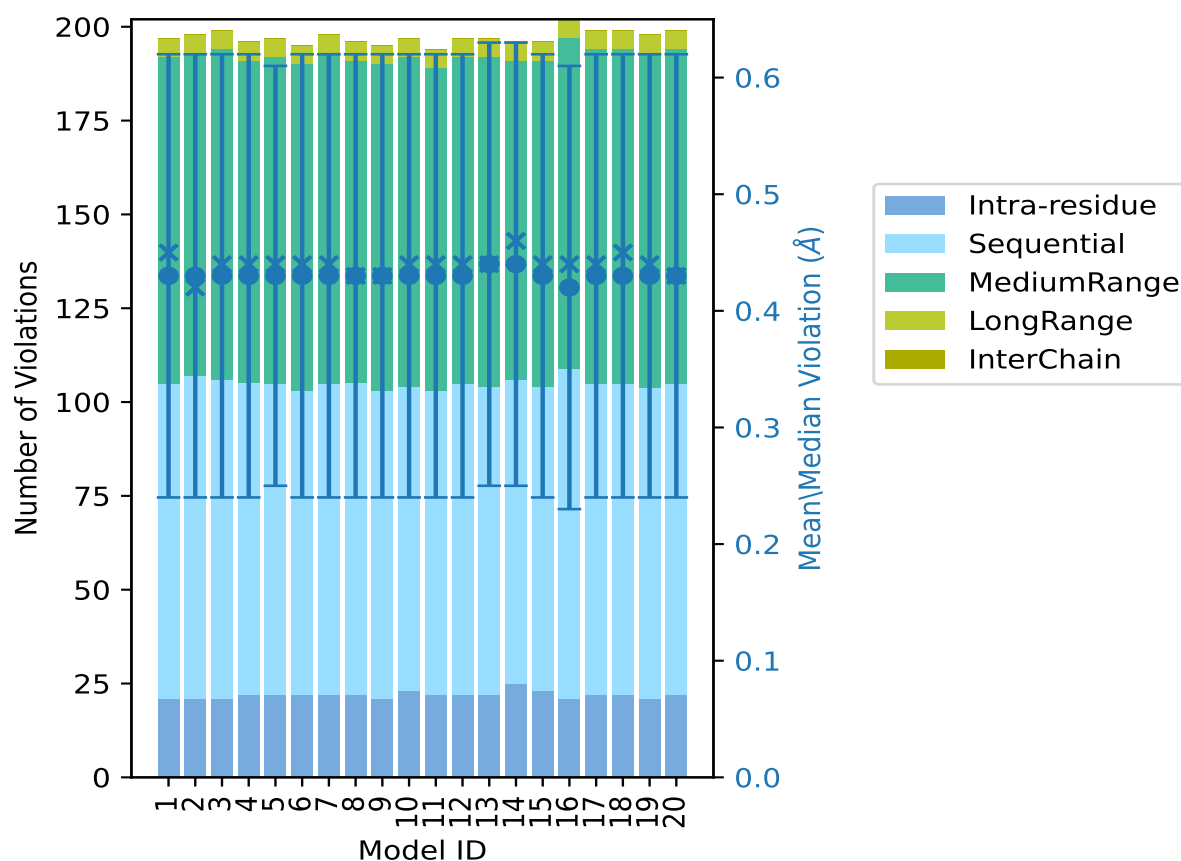
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	22	81	86	5	0	194	0.43	0.95	0.19	0.44
12	22	83	87	5	0	197	0.43	0.93	0.19	0.44
13	22	82	88	5	0	197	0.44	0.91	0.19	0.44
14	25	81	85	5	0	196	0.44	0.94	0.19	0.46
15	23	81	87	5	0	196	0.43	0.95	0.19	0.44
16	21	88	88	5	0	202	0.42	0.93	0.19	0.44
17	22	83	89	5	0	199	0.43	0.93	0.19	0.44
18	22	83	89	5	0	199	0.43	0.92	0.19	0.45
19	21	83	89	5	0	198	0.43	0.93	0.19	0.44
20	22	83	89	5	0	199	0.43	0.92	0.19	0.43

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

⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model [i](#)



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

9.3 Distance violation statistics for the ensemble

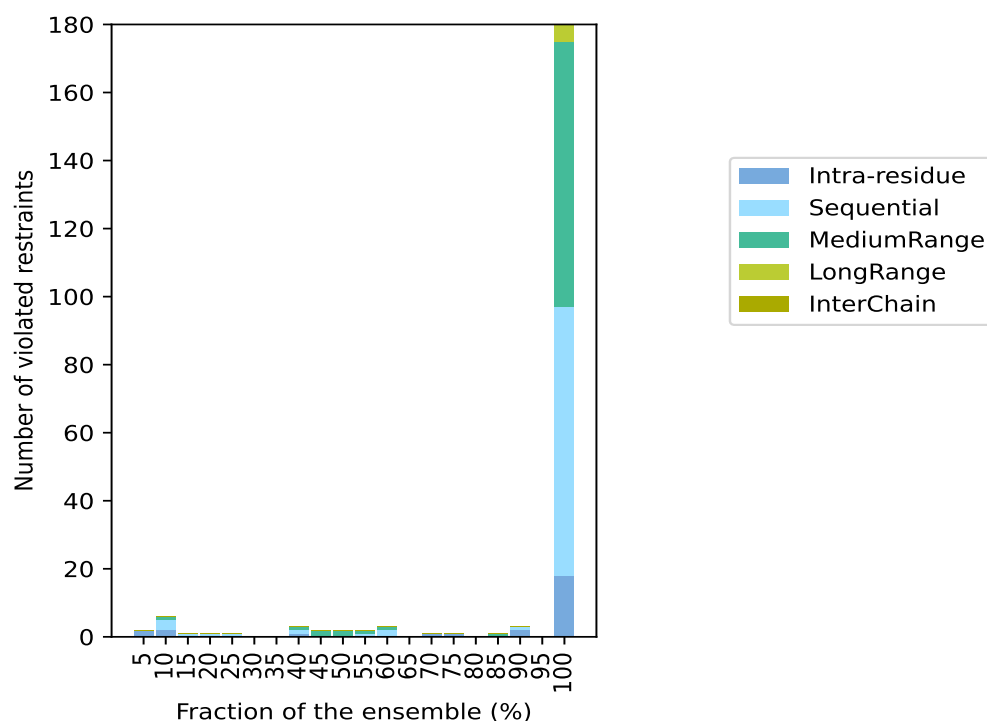
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 264(IR:156, SQ:45, MR:62, LR:1, IC:0) restraints are not 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	0	0	0	0	2	1	5.0
2	3	1	0	0	6	2	10.0
0	1	0	0	0	1	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	0	0	0	0	7	35.0
1	1	1	0	0	3	8	40.0
0	0	2	0	0	2	9	45.0
0	0	2	0	0	2	10	50.0
0	1	1	0	0	2	11	55.0
0	2	1	0	0	3	12	60.0
0	0	0	0	0	0	13	65.0
1	0	0	0	0	1	14	70.0
1	0	0	0	0	1	15	75.0
0	0	0	0	0	0	16	80.0
0	0	1	0	0	1	17	85.0
2	1	0	0	0	3	18	90.0
0	0	0	0	0	0	19	95.0
18	79	78	5	0	180	20	100.0

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

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

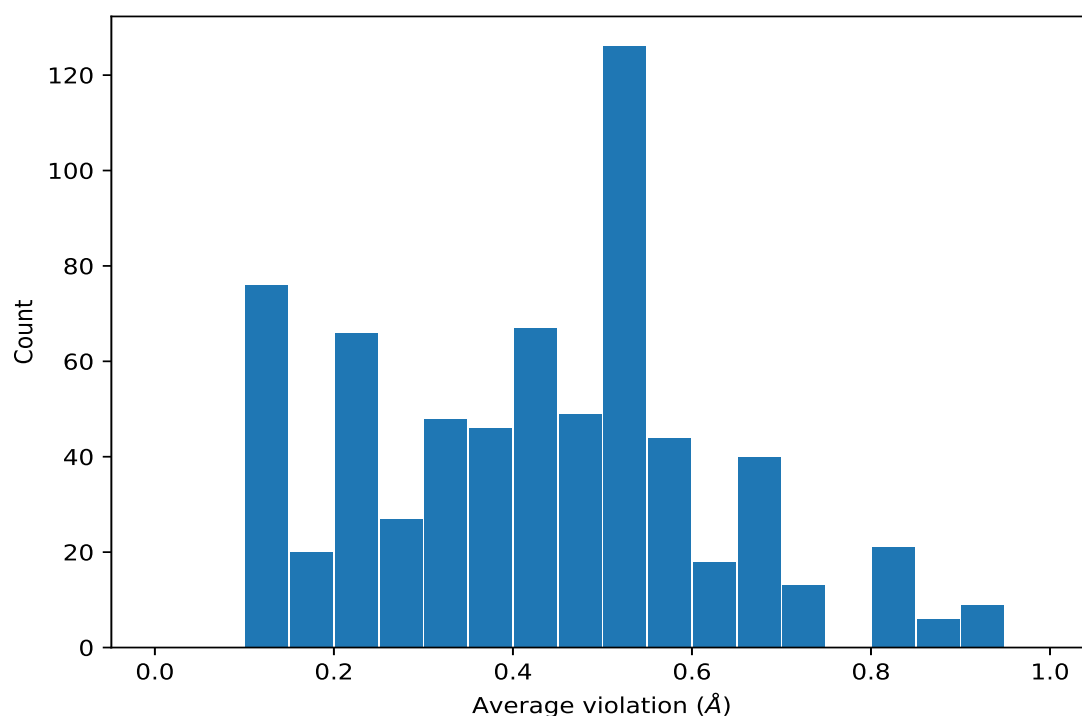
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



9.4 Most violated distance restraints in the ensemble [i](#)

9.4.1 Histogram : Distribution of mean distance violations [i](#)

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



9.4.2 Table: Most violated distance restraints [i](#)

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	20	0.92	0.01	0.92
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	20	0.92	0.01	0.92
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	20	0.92	0.01	0.92
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	20	0.92	0.01	0.92
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	20	0.92	0.01	0.92
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	20	0.92	0.01	0.92
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	20	0.9	0.01	0.89
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	20	0.9	0.01	0.89
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	20	0.9	0.01	0.89
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	20	0.87	0.01	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	20	0.87	0.01	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	20	0.87	0.01	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	20	0.87	0.01	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	20	0.87	0.01	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	20	0.87	0.01	0.87
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	20	0.82	0.01	0.82

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	20	0.82	0.01	0.82
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	20	0.82	0.01	0.82
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	20	0.82	0.01	0.82
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	20	0.82	0.01	0.82
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	20	0.82	0.01	0.82
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	20	0.8	0.01	0.8
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	20	0.8	0.06	0.81
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	20	0.8	0.06	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	20	0.8	0.06	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	20	0.8	0.06	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	20	0.8	0.06	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	20	0.8	0.06	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	20	0.8	0.06	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	20	0.8	0.06	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	20	0.8	0.06	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	20	0.8	0.06	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	20	0.8	0.06	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	20	0.8	0.06	0.81
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	20	0.73	0.0	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	20	0.73	0.0	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	20	0.73	0.0	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	20	0.73	0.0	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	20	0.73	0.0	0.73
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	20	0.73	0.0	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	20	0.73	0.0	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	20	0.73	0.0	0.73
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	20	0.73	0.04	0.74
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	20	0.73	0.04	0.74
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	20	0.72	0.17	0.82
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	20	0.72	0.17	0.82
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	20	0.72	0.0	0.72
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	20	0.7	0.0	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	20	0.7	0.0	0.7
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	20	0.7	0.01	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	20	0.7	0.01	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	20	0.7	0.01	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	20	0.7	0.01	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	20	0.69	0.02	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	20	0.69	0.02	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	20	0.68	0.01	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	20	0.68	0.01	0.68
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	20	0.68	0.03	0.68

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	20	0.68	0.03	0.68
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	20	0.68	0.03	0.68
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	20	0.68	0.03	0.68
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	20	0.68	0.08	0.66
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	20	0.68	0.08	0.66
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	20	0.67	0.01	0.67
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	20	0.67	0.01	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	20	0.66	0.01	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	20	0.66	0.01	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	20	0.66	0.01	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	20	0.66	0.01	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	20	0.66	0.01	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	20	0.66	0.01	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	20	0.66	0.01	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	20	0.66	0.01	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	20	0.66	0.01	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	20	0.66	0.01	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	20	0.66	0.01	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	20	0.66	0.01	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	20	0.66	0.01	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	20	0.66	0.01	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	20	0.66	0.01	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	20	0.66	0.01	0.66
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	20	0.66	0.04	0.66
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	20	0.66	0.04	0.66
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	20	0.66	0.04	0.66
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	20	0.66	0.04	0.66
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	20	0.64	0.01	0.64
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	20	0.63	0.0	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	20	0.63	0.0	0.63
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	20	0.63	0.02	0.64
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	20	0.63	0.02	0.64
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	20	0.63	0.02	0.64
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	20	0.63	0.02	0.64
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	20	0.62	0.04	0.64
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	20	0.62	0.04	0.64
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	20	0.62	0.01	0.63
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	20	0.62	0.08	0.63
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	20	0.62	0.08	0.63
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	20	0.62	0.08	0.63
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	20	0.62	0.08	0.63
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	20	0.61	0.0	0.61

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	20	0.61	0.0	0.61
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	20	0.61	0.01	0.6
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	20	0.61	0.01	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	20	0.6	0.0	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	20	0.6	0.0	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	20	0.6	0.01	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	20	0.6	0.01	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	20	0.6	0.01	0.6
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	20	0.6	0.02	0.59
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	20	0.6	0.02	0.59
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	20	0.6	0.03	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	20	0.6	0.02	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	20	0.6	0.02	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	20	0.6	0.02	0.6
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	20	0.6	0.02	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	20	0.59	0.01	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	20	0.59	0.01	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	20	0.59	0.01	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	20	0.59	0.01	0.59
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	20	0.59	0.16	0.58
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	20	0.59	0.16	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	20	0.58	0.01	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	20	0.58	0.01	0.58
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	20	0.57	0.14	0.64
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	20	0.57	0.14	0.64
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	20	0.57	0.01	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	20	0.57	0.0	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	20	0.57	0.0	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	20	0.57	0.0	0.57
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	20	0.56	0.01	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	20	0.56	0.01	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	20	0.56	0.01	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	20	0.56	0.01	0.56
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	20	0.56	0.01	0.56
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	20	0.56	0.01	0.56
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	20	0.56	0.01	0.56
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	20	0.56	0.03	0.56
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	20	0.55	0.01	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	20	0.55	0.01	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	20	0.55	0.01	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	20	0.55	0.01	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	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)
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	20	0.55	0.13	0.54
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	20	0.55	0.13	0.54
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	20	0.55	0.13	0.54
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	20	0.55	0.13	0.54
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	20	0.55	0.01	0.55
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	20	0.54	0.01	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	20	0.54	0.01	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	20	0.54	0.01	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	20	0.54	0.01	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	20	0.54	0.01	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	20	0.54	0.01	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	20	0.54	0.01	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	20	0.54	0.01	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	20	0.54	0.01	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	20	0.54	0.01	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	20	0.54	0.01	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	20	0.54	0.01	0.54
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	20	0.54	0.06	0.54
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	20	0.54	0.06	0.54
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	20	0.54	0.02	0.54
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	20	0.54	0.02	0.54
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	20	0.53	0.01	0.53
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	20	0.53	0.01	0.53
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	20	0.53	0.01	0.53
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	20	0.53	0.01	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	20	0.53	0.0	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	20	0.53	0.0	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	20	0.53	0.0	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	20	0.53	0.0	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	20	0.53	0.0	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	20	0.53	0.0	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	20	0.53	0.0	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	20	0.53	0.0	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	20	0.53	0.0	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	20	0.53	0.0	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	20	0.53	0.0	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	20	0.53	0.0	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	20	0.53	0.0	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	20	0.53	0.0	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	20	0.53	0.0	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	20	0.53	0.0	0.53
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	20	0.53	0.08	0.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	20	0.53	0.08	0.55
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	20	0.52	0.06	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	20	0.52	0.06	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	20	0.52	0.06	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	20	0.52	0.06	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	20	0.52	0.06	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	20	0.52	0.06	0.54
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	20	0.52	0.02	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	20	0.52	0.02	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	20	0.52	0.02	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	20	0.52	0.02	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	20	0.52	0.02	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	20	0.52	0.02	0.52
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	20	0.52	0.01	0.52
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	20	0.52	0.01	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	20	0.51	0.01	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	20	0.51	0.01	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	20	0.51	0.01	0.52
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	20	0.51	0.02	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	20	0.51	0.02	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	20	0.51	0.02	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	20	0.51	0.02	0.51
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	20	0.51	0.0	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	20	0.51	0.01	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	20	0.51	0.01	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	20	0.5	0.0	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	20	0.5	0.0	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	20	0.5	0.0	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	20	0.5	0.0	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	20	0.5	0.0	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	20	0.5	0.0	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	20	0.5	0.0	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	20	0.5	0.0	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	20	0.5	0.0	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	20	0.5	0.0	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	20	0.5	0.0	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	20	0.5	0.0	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	20	0.5	0.0	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	20	0.5	0.0	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	20	0.5	0.0	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	20	0.5	0.0	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	20	0.5	0.0	0.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	20	0.5	0.0	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	20	0.5	0.0	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	20	0.5	0.0	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	20	0.5	0.0	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	20	0.5	0.0	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	20	0.5	0.0	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	20	0.5	0.0	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	20	0.5	0.01	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	20	0.5	0.01	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	20	0.5	0.01	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	20	0.5	0.01	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	20	0.5	0.01	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	20	0.5	0.01	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	20	0.5	0.01	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	20	0.5	0.01	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	20	0.5	0.01	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	20	0.5	0.01	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	20	0.5	0.01	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	20	0.5	0.01	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	20	0.5	0.01	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	20	0.5	0.01	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	20	0.5	0.01	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	20	0.5	0.01	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	20	0.5	0.01	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	20	0.5	0.01	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	20	0.5	0.01	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	20	0.5	0.01	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	20	0.5	0.01	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	20	0.5	0.01	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	20	0.5	0.01	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	20	0.5	0.01	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	20	0.5	0.01	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	20	0.5	0.01	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	20	0.5	0.01	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	20	0.5	0.01	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	20	0.5	0.01	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	20	0.5	0.01	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	20	0.5	0.01	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	20	0.5	0.01	0.5
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	20	0.5	0.01	0.5
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	20	0.5	0.01	0.5
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE: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)
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	20	0.5	0.01	0.5
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	20	0.5	0.01	0.5
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	20	0.5	0.01	0.5
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	20	0.49	0.01	0.49
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	20	0.49	0.01	0.49
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	20	0.49	0.01	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	20	0.49	0.0	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	20	0.49	0.0	0.49
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	20	0.49	0.11	0.47
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	20	0.49	0.11	0.47
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	20	0.49	0.02	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	20	0.48	0.01	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	20	0.48	0.01	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	20	0.48	0.01	0.48
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	20	0.47	0.01	0.47
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	20	0.47	0.01	0.47
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	20	0.47	0.02	0.47
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	20	0.47	0.01	0.47
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	20	0.47	0.01	0.47
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	20	0.47	0.01	0.47
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	20	0.47	0.01	0.47
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	20	0.47	0.01	0.47
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	20	0.47	0.01	0.47
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	20	0.47	0.01	0.47
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	20	0.47	0.01	0.47
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	20	0.47	0.01	0.47
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	20	0.47	0.01	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	20	0.46	0.01	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	20	0.46	0.01	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	20	0.46	0.01	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	20	0.46	0.01	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	20	0.45	0.01	0.45
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	20	0.45	0.01	0.45
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	20	0.45	0.01	0.45
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	20	0.45	0.19	0.47
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	20	0.45	0.19	0.47
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	20	0.45	0.19	0.47
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	20	0.45	0.19	0.47
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	20	0.45	0.01	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	20	0.45	0.01	0.45
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	20	0.45	0.01	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	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)
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	20	0.45	0.01	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	20	0.45	0.01	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	20	0.45	0.01	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	20	0.45	0.01	0.45
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	20	0.45	0.01	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	20	0.45	0.01	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	20	0.45	0.01	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	20	0.45	0.01	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	20	0.45	0.01	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	20	0.45	0.01	0.45
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	20	0.44	0.01	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	20	0.44	0.01	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	20	0.44	0.01	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	20	0.44	0.01	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	20	0.44	0.01	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	20	0.44	0.01	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	20	0.44	0.01	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	20	0.44	0.01	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	20	0.44	0.01	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	20	0.44	0.01	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	20	0.44	0.01	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	20	0.44	0.01	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	20	0.44	0.01	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	20	0.44	0.01	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	20	0.44	0.01	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	20	0.44	0.01	0.44
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	20	0.44	0.01	0.44
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	20	0.44	0.01	0.44
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	20	0.44	0.01	0.44
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	20	0.44	0.01	0.44
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	20	0.44	0.01	0.44
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	20	0.44	0.01	0.44
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	20	0.43	0.01	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	20	0.43	0.01	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	20	0.43	0.01	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	20	0.43	0.01	0.43
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	20	0.43	0.01	0.43
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	20	0.43	0.01	0.43
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	20	0.43	0.01	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	20	0.43	0.01	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	20	0.43	0.01	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	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)
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	20	0.43	0.01	0.43
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	20	0.43	0.01	0.43
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	20	0.43	0.01	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	20	0.43	0.0	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	20	0.43	0.0	0.43
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	20	0.42	0.01	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	20	0.42	0.01	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	20	0.42	0.01	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	20	0.42	0.01	0.42
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	20	0.42	0.01	0.42
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	20	0.42	0.01	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	20	0.42	0.0	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	20	0.42	0.0	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	20	0.42	0.0	0.42
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	20	0.42	0.02	0.42
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	20	0.41	0.0	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	20	0.41	0.0	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	20	0.41	0.0	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	20	0.41	0.0	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	20	0.41	0.0	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	20	0.41	0.0	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	20	0.41	0.0	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	20	0.41	0.0	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	20	0.41	0.0	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	20	0.41	0.0	0.41
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	20	0.41	0.02	0.4
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	20	0.41	0.02	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	20	0.4	0.01	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	20	0.4	0.01	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	20	0.4	0.01	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	20	0.4	0.01	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	20	0.4	0.01	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	20	0.4	0.01	0.4
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	20	0.39	0.0	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	20	0.39	0.0	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	20	0.39	0.0	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	20	0.39	0.0	0.39
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	20	0.39	0.01	0.39
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	20	0.39	0.01	0.39
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	20	0.39	0.01	0.39
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	20	0.39	0.01	0.39
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	20	0.39	0.01	0.39

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	20	0.39	0.01	0.39
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	20	0.38	0.01	0.38
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	20	0.38	0.01	0.38
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	20	0.38	0.02	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	20	0.38	0.02	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	20	0.38	0.02	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	20	0.38	0.02	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	20	0.38	0.02	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	20	0.38	0.02	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	20	0.38	0.02	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	20	0.38	0.02	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	20	0.38	0.02	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	20	0.38	0.02	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	20	0.38	0.02	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	20	0.38	0.02	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	20	0.38	0.02	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	20	0.38	0.02	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	20	0.38	0.02	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	20	0.38	0.02	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	20	0.38	0.02	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	20	0.38	0.02	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	20	0.38	0.02	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	20	0.38	0.02	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	20	0.38	0.02	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	20	0.38	0.02	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	20	0.38	0.02	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	20	0.38	0.02	0.37
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	20	0.37	0.01	0.37
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	20	0.37	0.01	0.37
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	20	0.37	0.01	0.37
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	20	0.37	0.01	0.37
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	20	0.37	0.01	0.37
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	20	0.37	0.01	0.37
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	20	0.36	0.0	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	20	0.36	0.0	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	20	0.36	0.0	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	20	0.36	0.0	0.36
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	20	0.35	0.01	0.35
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	20	0.35	0.01	0.35
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	20	0.35	0.01	0.35
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	20	0.35	0.0	0.35
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	20	0.34	0.0	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	20	0.34	0.0	0.34
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	20	0.34	0.01	0.34
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	20	0.34	0.01	0.34
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	20	0.34	0.01	0.34
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	20	0.34	0.01	0.34
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	20	0.34	0.01	0.34
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	20	0.34	0.01	0.34
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	20	0.34	0.01	0.34
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	20	0.34	0.13	0.31
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	20	0.34	0.13	0.31
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	20	0.34	0.13	0.31
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	20	0.34	0.13	0.31
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	20	0.33	0.02	0.34
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	20	0.33	0.02	0.34
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	20	0.33	0.02	0.34
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	20	0.33	0.02	0.34
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	20	0.33	0.01	0.34
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	20	0.33	0.01	0.34
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	20	0.33	0.01	0.33
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	20	0.33	0.01	0.33
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	20	0.32	0.02	0.31
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	20	0.32	0.02	0.32
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	20	0.32	0.02	0.32
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	20	0.32	0.02	0.32
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	20	0.32	0.0	0.32
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	20	0.32	0.0	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	20	0.31	0.01	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	20	0.31	0.01	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	20	0.31	0.01	0.32
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	20	0.31	0.0	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	20	0.31	0.0	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	20	0.31	0.0	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	20	0.31	0.0	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	20	0.31	0.0	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	20	0.31	0.0	0.31
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	20	0.31	0.04	0.3
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	20	0.31	0.04	0.3
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	20	0.31	0.04	0.3
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	20	0.31	0.04	0.3
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	20	0.3	0.02	0.31
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	20	0.28	0.01	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	20	0.28	0.01	0.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	20	0.27	0.09	0.23
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	20	0.26	0.01	0.26
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	20	0.26	0.01	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	20	0.26	0.0	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	20	0.26	0.0	0.26
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	20	0.26	0.01	0.25
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	20	0.26	0.01	0.25
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	20	0.26	0.01	0.25
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	20	0.25	0.02	0.26
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	20	0.25	0.02	0.26
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	20	0.25	0.01	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	20	0.25	0.01	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	20	0.25	0.01	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	20	0.25	0.01	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	20	0.25	0.01	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	20	0.25	0.01	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	20	0.25	0.01	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	20	0.25	0.01	0.24
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	20	0.25	0.01	0.25
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	20	0.24	0.0	0.24
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	20	0.24	0.0	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	20	0.24	0.01	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	20	0.24	0.01	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	20	0.24	0.01	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	20	0.24	0.01	0.25
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	20	0.24	0.02	0.24
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	20	0.24	0.02	0.24
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	20	0.24	0.02	0.24
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	20	0.24	0.02	0.24
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	20	0.24	0.02	0.24
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	20	0.24	0.02	0.24
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	20	0.24	0.02	0.23
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	20	0.24	0.02	0.23
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	20	0.23	0.04	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	20	0.23	0.04	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	20	0.23	0.04	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	20	0.23	0.04	0.22
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	20	0.23	0.01	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	20	0.23	0.01	0.23
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	20	0.22	0.01	0.22
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	20	0.21	0.04	0.24
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	20	0.21	0.04	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	20	0.21	0.0	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	20	0.21	0.0	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	20	0.21	0.0	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	20	0.21	0.0	0.21
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	20	0.21	0.01	0.21
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	20	0.21	0.03	0.2
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	20	0.21	0.03	0.2
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	20	0.21	0.03	0.2
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	20	0.21	0.03	0.2
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	20	0.21	0.02	0.21
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	20	0.2	0.01	0.2
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	20	0.2	0.01	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	20	0.2	0.01	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	20	0.2	0.01	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	20	0.2	0.01	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	20	0.2	0.01	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	20	0.2	0.01	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	20	0.2	0.01	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	20	0.2	0.01	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	20	0.2	0.01	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	20	0.2	0.01	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	20	0.2	0.01	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	20	0.2	0.01	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	20	0.2	0.01	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	20	0.2	0.01	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	20	0.2	0.01	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	20	0.2	0.01	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	20	0.2	0.01	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	20	0.2	0.01	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	20	0.2	0.01	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	20	0.2	0.01	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	20	0.2	0.01	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	20	0.2	0.01	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	20	0.2	0.01	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	20	0.2	0.01	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	20	0.2	0.01	0.2
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	20	0.2	0.02	0.2
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	20	0.19	0.01	0.2
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	20	0.19	0.01	0.2
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	20	0.19	0.0	0.19
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	20	0.18	0.01	0.19
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	20	0.18	0.01	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	20	0.18	0.05	0.16
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	20	0.18	0.05	0.16
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	20	0.17	0.0	0.17
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	20	0.17	0.02	0.17
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	20	0.17	0.02	0.17
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	20	0.17	0.01	0.17
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	20	0.17	0.01	0.17
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	20	0.17	0.01	0.17
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	20	0.17	0.01	0.17
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	20	0.17	0.01	0.17
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	20	0.17	0.01	0.17
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	20	0.16	0.01	0.16
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	20	0.16	0.01	0.16
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	20	0.15	0.01	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	20	0.15	0.01	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	20	0.15	0.01	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	20	0.15	0.01	0.15
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	20	0.15	0.01	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	20	0.15	0.01	0.15
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	20	0.14	0.01	0.14
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	20	0.14	0.01	0.14
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	20	0.14	0.01	0.14
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	20	0.14	0.01	0.14
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	20	0.12	0.01	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	20	0.12	0.01	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	20	0.12	0.01	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	20	0.12	0.01	0.12
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	20	0.12	0.01	0.12
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	20	0.12	0.01	0.12
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	19	0.14	0.01	0.14
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	18	0.82	0.25	0.89
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	18	0.82	0.25	0.89
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	18	0.44	0.02	0.45
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	18	0.44	0.02	0.45
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	18	0.27	0.01	0.27
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	18	0.27	0.01	0.27
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	17	0.11	0.01	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	17	0.11	0.01	0.1
(1,447)	1:16:A:LYS:HD2	1:16:A:LYS:H	15	0.22	0.08	0.25
(1,447)	1:16:A:LYS:HD3	1:16:A:LYS:H	15	0.22	0.08	0.25
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD2	14	0.21	0.24	0.12
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD3	14	0.21	0.24	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD2	12	0.34	0.07	0.34
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD3	12	0.34	0.07	0.34
(1,451)	1:16:A:LYS:HB2	1:17:A:LYS:H	12	0.31	0.01	0.3
(1,451)	1:16:A:LYS:HB3	1:17:A:LYS:H	12	0.31	0.01	0.3
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD11	12	0.11	0.01	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD12	12	0.11	0.01	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD13	12	0.11	0.01	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD21	12	0.11	0.01	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD22	12	0.11	0.01	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD23	12	0.11	0.01	0.11
(1,284)	1:10:A:ASP:H	1:11:A:PHE:HA	11	0.1	0.01	0.1
(1,164)	1:6:A:LYS:HA	1:9:A:ARG:H	11	0.1	0.0	0.1
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB2	10	0.15	0.06	0.12
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB3	10	0.15	0.06	0.12
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB2	10	0.11	0.01	0.11
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB3	10	0.11	0.01	0.11
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	9	0.1	0.0	0.1
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	9	0.1	0.0	0.1
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	9	0.1	0.0	0.1
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	9	0.1	0.0	0.1
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	9	0.1	0.0	0.1
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	9	0.1	0.0	0.1
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	9	0.1	0.0	0.1
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	9	0.1	0.0	0.1
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	9	0.1	0.0	0.1
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	9	0.1	0.0	0.1
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	9	0.1	0.0	0.1
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	9	0.1	0.0	0.1
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	9	0.1	0.0	0.1
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	9	0.1	0.0	0.1
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	9	0.1	0.0	0.1
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	9	0.1	0.0	0.1
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	9	0.1	0.0	0.1
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	9	0.1	0.0	0.1
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	9	0.1	0.0	0.1
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	9	0.1	0.0	0.1
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	9	0.1	0.0	0.1
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	9	0.1	0.0	0.1
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	9	0.1	0.0	0.1
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	9	0.1	0.0	0.1
(1,450)	1:16:A:LYS:HA	1:17:A:LYS:H	8	0.29	0.0	0.29
(1,461)	1:17:A:LYS:HD2	1:17:A:LYS:H	8	0.12	0.01	0.12

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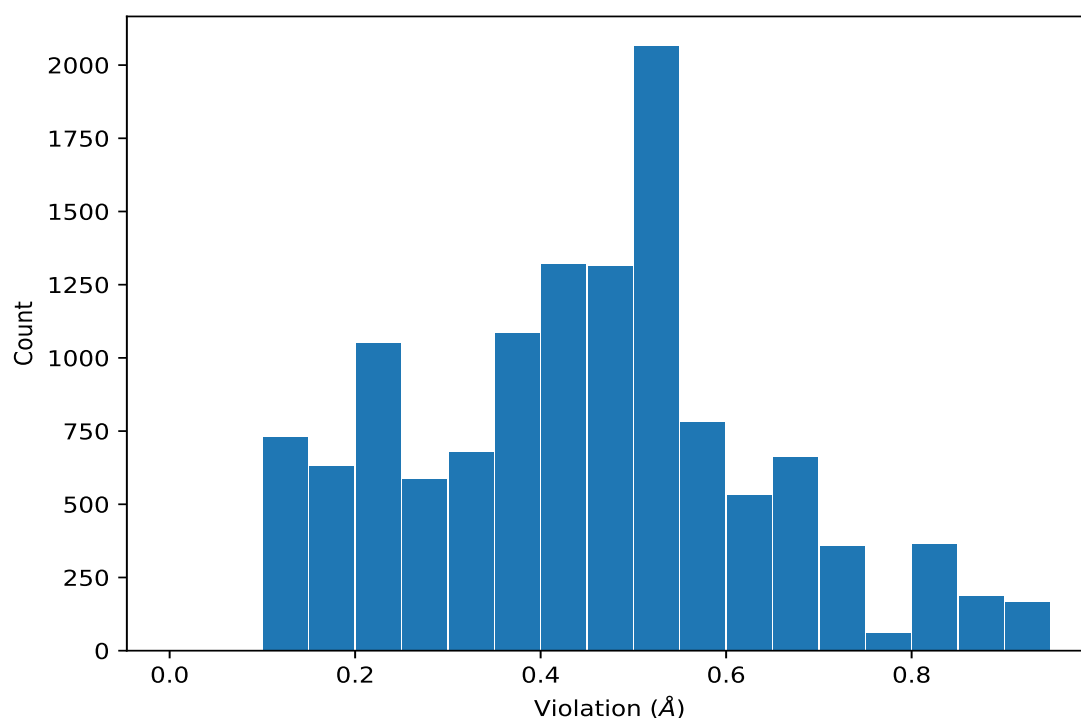
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,461)	1:17:A:LYS:HD3	1:17:A:LYS:H	8	0.12	0.01	0.12
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB2	8	0.11	0.0	0.11
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB3	8	0.11	0.0	0.11
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB2	8	0.11	0.0	0.11
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB3	8	0.11	0.0	0.11
(1,454)	1:16:A:LYS:H	1:17:A:LYS:H	5	0.15	0.04	0.12
(1,429)	1:15:A:ARG:HA	1:16:A:LYS:HB2	4	0.24	0.02	0.24
(1,429)	1:15:A:ARG:HA	1:16:A:LYS:HB3	4	0.24	0.02	0.24
(1,117)	1:5:A:SER:H	1:6:A:LYS:HD2	3	0.1	0.0	0.1
(1,117)	1:5:A:SER:H	1:6:A:LYS:HD3	3	0.1	0.0	0.1
(1,234)	1:9:A:ARG:HA	1:9:A:ARG:HD2	2	0.7	0.0	0.7
(1,234)	1:9:A:ARG:HA	1:9:A:ARG:HD3	2	0.7	0.0	0.7
(1,448)	1:16:A:LYS:HG2	1:16:A:LYS:H	2	0.52	0.0	0.52
(1,448)	1:16:A:LYS:HG3	1:16:A:LYS:H	2	0.52	0.0	0.52
(1,12)	1:2:A:MET:HG2	1:3:A:ALA:H	2	0.3	0.01	0.3
(1,12)	1:2:A:MET:HG3	1:3:A:ALA:H	2	0.3	0.01	0.3
(1,386)	1:13:A:LEU:HA	1:16:A:LYS:HG2	2	0.16	0.02	0.16
(1,386)	1:13:A:LEU:HA	1:16:A:LYS:HG3	2	0.16	0.02	0.16
(1,71)	1:4:A:LEU:HD11	1:5:A:SER:H	2	0.1	0.0	0.1
(1,71)	1:4:A:LEU:HD12	1:5:A:SER:H	2	0.1	0.0	0.1
(1,71)	1:4:A:LEU:HD13	1:5:A:SER:H	2	0.1	0.0	0.1
(1,71)	1:4:A:LEU:HD21	1:5:A:SER:H	2	0.1	0.0	0.1
(1,71)	1:4:A:LEU:HD22	1:5:A:SER:H	2	0.1	0.0	0.1
(1,71)	1:4:A:LEU:HD23	1:5:A:SER:H	2	0.1	0.0	0.1
(1,72)	1:4:A:LEU:HD11	1:5:A:SER:H	2	0.1	0.0	0.1
(1,72)	1:4:A:LEU:HD12	1:5:A:SER:H	2	0.1	0.0	0.1
(1,72)	1:4:A:LEU:HD13	1:5:A:SER:H	2	0.1	0.0	0.1
(1,72)	1:4:A:LEU:HD21	1:5:A:SER:H	2	0.1	0.0	0.1
(1,72)	1:4:A:LEU:HD22	1:5:A:SER:H	2	0.1	0.0	0.1
(1,72)	1:4:A:LEU:HD23	1:5:A:SER:H	2	0.1	0.0	0.1

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

9.5.1 Histogram : Distribution of distance violations [i](#)

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



9.5.2 Table : All distance violations [i](#)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	6	0.95
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	6	0.95
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	8	0.95
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	8	0.95
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	10	0.95
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	10	0.95
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	11	0.95
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	11	0.95
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	15	0.95
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	15	0.95
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	14	0.94
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	14	0.94
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	4	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	4	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	4	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	4	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	4	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	4	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	6	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	6	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	6	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	6	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	6	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	6	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	7	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	7	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	7	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	7	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	7	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	7	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	8	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	8	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	8	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	8	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	8	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	8	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	10	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	10	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	10	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	10	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	10	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	10	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	11	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	11	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	11	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	11	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	11	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	11	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	12	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	12	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	12	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	12	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	12	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	12	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	15	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	15	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	15	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	15	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	15	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	15	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	17	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	17	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	17	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	17	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	17	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	17	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	19	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	19	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	19	0.93
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	19	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	19	0.93
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	19	0.93
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	3	0.93
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	3	0.93
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	3	0.93
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	16	0.93
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	16	0.93
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	16	0.93
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	3	0.93
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	3	0.93
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	16	0.93
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	16	0.93
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	1	0.92
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	1	0.92
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	1	0.92
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	1	0.92
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	1	0.92
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	1	0.92
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	2	0.92
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	2	0.92
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	2	0.92
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	2	0.92
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	2	0.92
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	2	0.92
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	5	0.92
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	5	0.92
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	5	0.92
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	5	0.92
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	5	0.92
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	5	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	9	0.92
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	9	0.92
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	9	0.92
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	9	0.92
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	9	0.92
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	9	0.92
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	16	0.92
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	16	0.92
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	16	0.92
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	16	0.92
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	16	0.92
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	16	0.92
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	18	0.92
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	18	0.92
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	18	0.92
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	18	0.92
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	18	0.92
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	18	0.92
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	20	0.92
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	20	0.92
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	20	0.92
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	20	0.92
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	20	0.92
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	20	0.92
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	3	0.91
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	3	0.91
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	3	0.91
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	3	0.91
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	3	0.91
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	3	0.91
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	13	0.91
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	13	0.91
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	13	0.91
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	13	0.91
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	13	0.91
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	13	0.91
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	14	0.91
(2,8)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	14	0.91
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	14	0.91
(2,8)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	14	0.91
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	14	0.91
(2,8)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	14	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	1	0.91
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	1	0.91
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	1	0.91
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	13	0.91
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	13	0.91
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	13	0.91
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	4	0.9
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	4	0.9
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	4	0.9
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	12	0.9
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	12	0.9
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	12	0.9
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	17	0.9
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	17	0.9
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	17	0.9
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	19	0.9
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	19	0.9
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	19	0.9
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	20	0.9
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	20	0.9
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	20	0.9
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	1	0.9
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	1	0.9
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	5	0.89
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	5	0.89
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	5	0.89
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	6	0.89
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	6	0.89
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	6	0.89
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	7	0.89
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	7	0.89
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	7	0.89
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	8	0.89
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	8	0.89
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	8	0.89
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	10	0.89
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	10	0.89
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	10	0.89
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	11	0.89
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	11	0.89
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	11	0.89
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	15	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	15	0.89
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	15	0.89
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	18	0.89
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	18	0.89
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	18	0.89
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	2	0.88
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	2	0.88
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	2	0.88
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	9	0.88
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	9	0.88
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	9	0.88
(2,7)	1:12:A:ILE:HG21	1:13:A:LEU:HA	14	0.88
(2,7)	1:12:A:ILE:HG22	1:13:A:LEU:HA	14	0.88
(2,7)	1:12:A:ILE:HG23	1:13:A:LEU:HA	14	0.88
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	3	0.88
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	3	0.88
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	16	0.88
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	16	0.88
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	4	0.88
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	4	0.88
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	7	0.88
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	7	0.88
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	17	0.88
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	17	0.88
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	3	0.88
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	3	0.88
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	3	0.88
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	3	0.88
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	3	0.88
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	3	0.88
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	14	0.88
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	14	0.88
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	14	0.88
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	14	0.88
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	14	0.88
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	14	0.88
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	16	0.88
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	16	0.88
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	16	0.88
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	16	0.88
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	16	0.88
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	16	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	4	0.87
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	4	0.87
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	7	0.87
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	7	0.87
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	12	0.87
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	12	0.87
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	13	0.87
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	13	0.87
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	19	0.87
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	19	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	2	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	2	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	2	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	2	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	2	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	2	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	4	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	4	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	4	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	4	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	4	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	4	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	5	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	5	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	5	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	5	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	5	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	5	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	6	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	6	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	6	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	6	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	6	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	6	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	7	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	7	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	7	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	7	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	7	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	7	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	8	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	8	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	8	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	8	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	8	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	8	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	9	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	9	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	9	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	9	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	9	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	9	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	10	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	10	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	10	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	10	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	10	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	10	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	11	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	11	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	11	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	11	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	11	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	11	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	12	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	12	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	12	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	12	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	12	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	12	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	15	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	15	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	15	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	15	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	15	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	15	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	17	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	17	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	17	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	17	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	17	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	17	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	18	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	18	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	18	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	18	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	18	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	18	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	19	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	19	0.87
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	19	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	19	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	19	0.87
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	19	0.87
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	12	0.86
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	12	0.86
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	13	0.86
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	13	0.86
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	17	0.86
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	17	0.86
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	19	0.86
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	19	0.86
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	1	0.86
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	1	0.86
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	1	0.86
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	1	0.86
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	1	0.86
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	1	0.86
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	13	0.86
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	13	0.86
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	13	0.86
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	13	0.86
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	13	0.86
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	13	0.86
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	20	0.86
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	20	0.86
(1,315)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	20	0.86
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	20	0.86
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	20	0.86
(1,315)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	20	0.86
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	1	0.85
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	1	0.85
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	20	0.85
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	20	0.85
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	20	0.84
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	20	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	14	0.84
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	14	0.84
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	14	0.84
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	14	0.84
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	14	0.84
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	14	0.84
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	14	0.84
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	14	0.84
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	14	0.84
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	14	0.84
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	14	0.84
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	14	0.84
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	4	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	4	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	4	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	4	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	4	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	4	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	6	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	6	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	6	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	6	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	6	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	6	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	7	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	7	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	7	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	7	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	7	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	7	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	8	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	8	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	8	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	8	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	8	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	8	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	10	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	10	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	10	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	10	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	10	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	11	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	11	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	11	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	11	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	11	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	11	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	12	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	12	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	12	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	12	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	12	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	12	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	15	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	15	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	15	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	15	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	15	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	15	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	17	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	17	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	17	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	17	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	17	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	17	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	19	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	19	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	19	0.83
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	19	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	19	0.83
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	19	0.83
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	5	0.83
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	5	0.83
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	5	0.83
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	5	0.83
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	5	0.83
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	5	0.83
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	5	0.83
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	5	0.83
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	5	0.83
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	5	0.83
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	5	0.83
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	5	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	18	0.83
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	18	0.83
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	18	0.83
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	18	0.83
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	18	0.83
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	18	0.83
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	18	0.83
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	18	0.83
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	18	0.83
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	18	0.83
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	18	0.83
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	18	0.83
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	1	0.82
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	1	0.82
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	1	0.82
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	1	0.82
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	1	0.82
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	1	0.82
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	2	0.82
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	2	0.82
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	2	0.82
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	2	0.82
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	2	0.82
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	2	0.82
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	5	0.82
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	5	0.82
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	5	0.82
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	5	0.82
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	5	0.82
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	5	0.82
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	9	0.82
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	9	0.82
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	9	0.82
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	9	0.82
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	9	0.82
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	9	0.82
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	16	0.82
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	16	0.82
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	16	0.82
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	16	0.82
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	16	0.82
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	16	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	18	0.82
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	18	0.82
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	18	0.82
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	18	0.82
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	18	0.82
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	18	0.82
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	20	0.82
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	20	0.82
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	20	0.82
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	20	0.82
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	20	0.82
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	20	0.82
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	2	0.82
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	2	0.82
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	2	0.82
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	2	0.82
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	2	0.82
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	2	0.82
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	2	0.82
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	2	0.82
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	2	0.82
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	2	0.82
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	2	0.82
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	2	0.82
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	6	0.82
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	6	0.82
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	6	0.82
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	6	0.82
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	6	0.82
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	6	0.82
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	6	0.82
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	6	0.82
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	6	0.82
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	6	0.82
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	6	0.82
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	6	0.82
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	9	0.82
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	9	0.82
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	9	0.82
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	9	0.82
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	9	0.82
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	9	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	9	0.82
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	9	0.82
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	9	0.82
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	9	0.82
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	9	0.82
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	9	0.82
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	10	0.82
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	10	0.82
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	10	0.82
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	10	0.82
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	10	0.82
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	10	0.82
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	10	0.82
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	10	0.82
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	10	0.82
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	10	0.82
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	10	0.82
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	10	0.82
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	15	0.82
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	15	0.82
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	15	0.82
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	15	0.82
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	15	0.82
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	15	0.82
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	15	0.82
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	15	0.82
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	15	0.82
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	15	0.82
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	15	0.82
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	15	0.82
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	19	0.82
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	19	0.82
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	19	0.82
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	19	0.82
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	19	0.82
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	19	0.82
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	19	0.82
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	19	0.82
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	19	0.82
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	19	0.82
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	19	0.82
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	3	0.81
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	4	0.81
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	5	0.81
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	14	0.81
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	15	0.81
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	16	0.81
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	3	0.81
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	3	0.81
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	3	0.81
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	3	0.81
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	3	0.81
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	3	0.81
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	13	0.81
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	13	0.81
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	13	0.81
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	13	0.81
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	13	0.81
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	13	0.81
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	14	0.81
(2,9)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	14	0.81
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	14	0.81
(2,9)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	14	0.81
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	14	0.81
(2,9)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	14	0.81
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	1	0.81
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	1	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	1	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	1	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	1	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	1	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	1	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	1	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	1	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	1	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	1	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	1	0.81
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	4	0.81
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	4	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	4	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	4	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	4	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	4	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	4	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	4	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	4	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	4	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	4	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	4	0.81
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	7	0.81
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	7	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	7	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	7	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	7	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	7	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	7	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	7	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	7	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	7	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	7	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	7	0.81
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	8	0.81
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	8	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	8	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	8	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	8	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	8	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	8	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	8	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	8	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	8	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	8	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	8	0.81
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	11	0.81
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	11	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	11	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	11	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	11	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	11	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	11	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	11	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	11	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	11	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	11	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	11	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	12	0.81
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	12	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	12	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	12	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	12	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	12	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	12	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	12	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	12	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	12	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	12	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	12	0.81
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	17	0.81
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	17	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	17	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	17	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	17	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	17	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	17	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	17	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	17	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	17	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	17	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	17	0.81
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	20	0.81
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	20	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	20	0.81
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	20	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	20	0.81
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	20	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	20	0.81
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	20	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	20	0.81
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	20	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	20	0.81
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	20	0.81
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	1	0.8
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	6	0.8
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	7	0.8
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	9	0.8
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	10	0.8
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	11	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	12	0.8
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	13	0.8
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	17	0.8
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	18	0.8
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	19	0.8
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	18	0.8
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	18	0.8
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	19	0.8
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	19	0.8
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	13	0.8
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	13	0.8
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	13	0.8
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	13	0.8
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	13	0.8
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	13	0.8
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	13	0.8
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	13	0.8
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	13	0.8
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	13	0.8
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	13	0.8
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	13	0.8
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	14	0.8
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	14	0.8
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD2	13	0.8
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD3	13	0.8
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD2	14	0.8
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD3	14	0.8
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	2	0.79
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	8	0.79
(3,3)	1:6:A:LYS:O	1:10:A:ASP:H	20	0.79
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	2	0.79
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	2	0.79
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	9	0.79
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	9	0.79
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	5	0.78
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	5	0.78
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	3	0.78
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	3	0.78
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	3	0.78
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	3	0.78
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	16	0.78
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	16	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	16	0.78
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	16	0.78
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	1	0.77
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	1	0.77
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	5	0.76
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	5	0.76
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	5	0.76
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	5	0.76
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	4	0.76
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	4	0.76
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	7	0.76
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	7	0.76
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	12	0.76
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	12	0.76
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	13	0.76
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	13	0.76
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	17	0.76
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	17	0.76
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	18	0.75
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	18	0.75
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	18	0.75
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	18	0.75
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	2	0.75
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	2	0.75
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	9	0.75
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	9	0.75
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	14	0.75
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	14	0.75
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	17	0.75
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	17	0.75
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	19	0.75
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	19	0.75
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	20	0.75
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	20	0.75
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	20	0.75
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	20	0.75
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	13	0.75
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	13	0.75
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	14	0.75
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	14	0.75
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	14	0.75
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	14	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	14	0.75
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	14	0.75
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	19	0.74
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	19	0.74
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	3	0.74
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	3	0.74
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	3	0.74
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	3	0.74
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	16	0.74
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	16	0.74
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	16	0.74
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	16	0.74
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	1	0.74
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	1	0.74
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	4	0.74
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	4	0.74
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	6	0.74
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	6	0.74
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	7	0.74
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	7	0.74
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	8	0.74
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	8	0.74
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	10	0.74
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	10	0.74
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	11	0.74
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	11	0.74
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	12	0.74
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	12	0.74
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	13	0.74
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	13	0.74
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	15	0.74
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	15	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	2	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	2	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	2	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	6	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	6	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	6	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	8	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	8	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	8	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	9	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	9	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	9	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	10	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	10	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	10	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	14	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	14	0.74
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	14	0.74
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	4	0.74
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	4	0.74
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	5	0.74
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	5	0.74
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	1	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	1	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	1	0.73
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	2	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	2	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	2	0.73
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	4	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	4	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	4	0.73
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	5	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	5	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	5	0.73
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	6	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	6	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	6	0.73
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	7	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	7	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	7	0.73
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	8	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	8	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	8	0.73
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	9	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	9	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	9	0.73
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	10	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	10	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	10	0.73
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	11	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	11	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	11	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	12	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	12	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	12	0.73
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	15	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	15	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	15	0.73
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	17	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	17	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	17	0.73
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	18	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	18	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	18	0.73
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	19	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	19	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	19	0.73
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	20	0.73
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	20	0.73
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	20	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	1	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	1	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	1	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	3	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	3	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	3	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	4	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	4	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	4	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	5	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	5	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	5	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	7	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	7	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	7	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	11	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	11	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	11	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	12	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	12	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	12	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	13	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	13	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	13	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	15	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	15	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	15	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	16	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	16	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	16	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	17	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	17	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	17	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	18	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	18	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	18	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	19	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	19	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	19	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD11	20	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD12	20	0.73
(1,324)	1:12:A:ILE:HA	1:12:A:ILE:HD13	20	0.73
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	18	0.73
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	18	0.73
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	18	0.73
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	18	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	1	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	1	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	2	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	2	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	6	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	6	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	7	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	7	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	8	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	8	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	9	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	9	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	10	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	10	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	11	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	11	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	12	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	12	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	13	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	13	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	15	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	15	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	17	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	17	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	18	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	18	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	19	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	19	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	20	0.73
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	20	0.73
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	2	0.73
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	2	0.73
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	8	0.73
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	8	0.73
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	6	0.72
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	6	0.72
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	6	0.72
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	6	0.72
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	18	0.72
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	18	0.72
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	18	0.72
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	18	0.72
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	3	0.72
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	3	0.72
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	3	0.72
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	13	0.72
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	13	0.72
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	13	0.72
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	14	0.72
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	14	0.72
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	14	0.72
(1,348)	1:12:A:ILE:HD11	1:13:A:LEU:HA	16	0.72
(1,348)	1:12:A:ILE:HD12	1:13:A:LEU:HA	16	0.72
(1,348)	1:12:A:ILE:HD13	1:13:A:LEU:HA	16	0.72
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	1	0.72
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	2	0.72
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	3	0.72
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	4	0.72
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	5	0.72
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	6	0.72
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	7	0.72
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	8	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	9	0.72
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	10	0.72
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	11	0.72
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	12	0.72
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	14	0.72
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	15	0.72
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	16	0.72
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	18	0.72
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	19	0.72
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	14	0.72
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	14	0.72
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	3	0.72
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	3	0.72
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	14	0.72
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	14	0.72
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE1	16	0.72
(1,188)	1:7:A:PHE:HA	1:11:A:PHE:HE2	16	0.72
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	1	0.71
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	1	0.71
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	7	0.71
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	7	0.71
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	13	0.71
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	13	0.71
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	17	0.71
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	17	0.71
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	5	0.71
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	5	0.71
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	5	0.71
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	5	0.71
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	8	0.71
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	8	0.71
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	8	0.71
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	8	0.71
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	10	0.71
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	10	0.71
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	10	0.71
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	10	0.71
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	11	0.71
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	11	0.71
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	11	0.71
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	11	0.71
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	15	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	15	0.71
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	15	0.71
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	15	0.71
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	5	0.71
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	5	0.71
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	5	0.71
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	5	0.71
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	2	0.71
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	2	0.71
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	9	0.71
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	9	0.71
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	10	0.71
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	10	0.71
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	12	0.71
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	12	0.71
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	16	0.71
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	16	0.71
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	13	0.71
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	17	0.71
(1,255)	1:9:A:ARG:H	1:10:A:ASP:HA	20	0.71
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	5	0.71
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	5	0.71
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	5	0.71
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	5	0.71
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	3	0.7
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	3	0.7
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	3	0.7
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	3	0.7
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	16	0.7
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	16	0.7
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	16	0.7
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	16	0.7
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	19	0.7
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	19	0.7
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	19	0.7
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	19	0.7
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	4	0.7
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	4	0.7
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	20	0.7
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	20	0.7
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	6	0.7
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	8	0.7
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	8	0.7
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	10	0.7
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	10	0.7
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	11	0.7
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	11	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	1	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	1	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	3	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	3	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	4	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	4	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	5	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	5	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	6	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	6	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	7	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	7	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	8	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	8	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	11	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	11	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	13	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	13	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	14	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	14	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	15	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	15	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	17	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	17	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	18	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	18	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	19	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	19	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG12	20	0.7
(1,258)	1:9:A:ARG:HA	1:12:A:ILE:HG13	20	0.7
(1,234)	1:9:A:ARG:HA	1:9:A:ARG:HD2	13	0.7
(1,234)	1:9:A:ARG:HA	1:9:A:ARG:HD3	13	0.7
(1,234)	1:9:A:ARG:HA	1:9:A:ARG:HD2	14	0.7
(1,234)	1:9:A:ARG:HA	1:9:A:ARG:HD3	14	0.7
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	4	0.7
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	4	0.7
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	4	0.7
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	5	0.7
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	5	0.7
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	5	0.7
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	5	0.7
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	7	0.7
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	7	0.7
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	7	0.7
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	7	0.7
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	10	0.7
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	10	0.7
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	10	0.7
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	10	0.7
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	12	0.7
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	12	0.7
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	12	0.7
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	12	0.7
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	15	0.7
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	15	0.7
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	15	0.7
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	15	0.7
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	2	0.69
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	2	0.69
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	2	0.69
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	2	0.69
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	9	0.69
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	9	0.69
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	9	0.69
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	9	0.69
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	12	0.69
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	12	0.69
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	15	0.69
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	15	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	2	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	2	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	5	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	5	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	6	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	6	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	8	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	8	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	11	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	11	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	14	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	14	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	17	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	17	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	18	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	18	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	20	0.69
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	20	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	1	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	1	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	2	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	2	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	6	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	6	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	8	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	8	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	9	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	9	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	11	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	11	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	15	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	15	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	17	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	17	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	18	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	18	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	19	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	19	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	20	0.69
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	20	0.69
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	14	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	1	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	1	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	1	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	1	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	2	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	2	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	2	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	2	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	3	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	3	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	3	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	6	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	6	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	6	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	6	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	8	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	8	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	8	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	8	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	9	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	9	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	9	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	9	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	11	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	11	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	11	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	11	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	13	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	13	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	13	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	13	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	16	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	16	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	16	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	16	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	17	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	17	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	17	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	17	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	19	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	19	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	19	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	19	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	20	0.69
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	20	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	20	0.69
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	20	0.69
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	4	0.68
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	4	0.68
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	4	0.68
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	7	0.68
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	7	0.68
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	7	0.68
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	7	0.68
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	12	0.68
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	12	0.68
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	12	0.68
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	12	0.68
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	13	0.68
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	13	0.68
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	13	0.68
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	13	0.68
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	17	0.68
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	17	0.68
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	17	0.68
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	17	0.68
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	20	0.68
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	20	0.68
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	20	0.68
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	20	0.68
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	14	0.68
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	14	0.68
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	14	0.68
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	14	0.68
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	6	0.68
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	6	0.68
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	2	0.68
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	2	0.68
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	9	0.68
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	9	0.68
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	14	0.68
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	14	0.68
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	14	0.68
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	14	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	1	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	1	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	3	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	3	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	4	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	4	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	7	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	7	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	9	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	9	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	10	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	10	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	12	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	12	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	15	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	15	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	16	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	16	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	19	0.68
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	19	0.68
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	3	0.68
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	3	0.68
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	3	0.68
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	3	0.68
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	3	0.68
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	3	0.68
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	16	0.68
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	16	0.68
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	16	0.68
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	16	0.68
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	16	0.68
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	16	0.68
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	3	0.68
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	3	0.68
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	3	0.68
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	3	0.68
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	3	0.68
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	3	0.68
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	16	0.68
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	16	0.68
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	16	0.68
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	16	0.68
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	16	0.68
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	16	0.68
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	9	0.68
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	9	0.68
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	10	0.68
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	10	0.68
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	11	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	11	0.68
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	12	0.68
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	12	0.68
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	13	0.68
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	13	0.68
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	3	0.68
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	3	0.68
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	4	0.68
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	4	0.68
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	5	0.68
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	5	0.68
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	7	0.68
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	7	0.68
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	10	0.68
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	10	0.68
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	12	0.68
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	12	0.68
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB2	16	0.68
(1,199)	1:8:A:PHE:HA	1:9:A:ARG:HB3	16	0.68
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE1	18	0.68
(1,178)	1:7:A:PHE:HB2	1:8:A:PHE:HE2	18	0.68
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE1	18	0.68
(1,178)	1:7:A:PHE:HB3	1:8:A:PHE:HE2	18	0.68
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	1	0.67
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	1	0.67
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	1	0.67
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	1	0.67
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	6	0.67
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	6	0.67
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	6	0.67
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	6	0.67
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	18	0.67
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	18	0.67
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	18	0.67
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	18	0.67
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	9	0.67
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	9	0.67
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	9	0.67
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	9	0.67
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	3	0.67
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	3	0.67
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	16	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	16	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	2	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	2	0.67
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	2	0.67
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	2	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	3	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	3	0.67
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	3	0.67
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	3	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	8	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	8	0.67
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	8	0.67
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	8	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	9	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	9	0.67
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	9	0.67
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	9	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	10	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	10	0.67
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	10	0.67
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	10	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	11	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	11	0.67
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	11	0.67
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	11	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	15	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	15	0.67
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	15	0.67
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	15	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	16	0.67
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	16	0.67
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	16	0.67
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	16	0.67
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE1	13	0.67
(1,278)	1:10:A:ASP:HA	1:11:A:PHE:HE2	13	0.67
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	5	0.67
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	5	0.67
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	5	0.67
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	5	0.67
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	5	0.67
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	5	0.67
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	18	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	18	0.67
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	18	0.67
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	18	0.67
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	18	0.67
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	18	0.67
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	5	0.67
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	5	0.67
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	5	0.67
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	5	0.67
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	5	0.67
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	5	0.67
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	18	0.67
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	18	0.67
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	18	0.67
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	18	0.67
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	18	0.67
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	18	0.67
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	1	0.67
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	1	0.67
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	2	0.67
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	2	0.67
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	3	0.67
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	3	0.67
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	4	0.67
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	4	0.67
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	5	0.67
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	5	0.67
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	6	0.67
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	6	0.67
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	7	0.67
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	7	0.67
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	8	0.67
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	8	0.67
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	15	0.67
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	15	0.67
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	16	0.67
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	16	0.67
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	17	0.67
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	17	0.67
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	18	0.67
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	18	0.67
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	19	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	19	0.67
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	8	0.66
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	8	0.66
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	8	0.66
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	8	0.66
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	10	0.66
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	10	0.66
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	10	0.66
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	10	0.66
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	11	0.66
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	11	0.66
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	11	0.66
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	11	0.66
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	2	0.66
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	2	0.66
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	2	0.66
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	2	0.66
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	4	0.66
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	4	0.66
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	4	0.66
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	4	0.66
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	7	0.66
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	7	0.66
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	7	0.66
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	7	0.66
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	12	0.66
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	12	0.66
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	12	0.66
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	12	0.66
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	13	0.66
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	13	0.66
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	13	0.66
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	13	0.66
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	17	0.66
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	17	0.66
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	17	0.66
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	17	0.66
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	20	0.66
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	20	0.66
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	20	0.66
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	20	0.66
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	2	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	2	0.66
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	8	0.66
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	8	0.66
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	9	0.66
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	9	0.66
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	11	0.66
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	11	0.66
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	15	0.66
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	15	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	1	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	1	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	1	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	1	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	4	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	4	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	4	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	4	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	5	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	5	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	5	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	5	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	6	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	6	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	6	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	6	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	7	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	7	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	7	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	7	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	12	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	12	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	12	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	12	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	13	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	13	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	13	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	13	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	17	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	17	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	17	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	17	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	18	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	18	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	18	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	18	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	19	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	19	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	19	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	19	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	20	0.66
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	20	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	20	0.66
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	20	0.66
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	2	0.66
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	15	0.66
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	15	0.66
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	15	0.66
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	15	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	1	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	1	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	1	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	1	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	1	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	1	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	2	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	2	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	2	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	2	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	2	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	2	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	4	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	4	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	4	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	4	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	4	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	4	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	6	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	6	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	6	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	6	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	6	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	6	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	7	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	7	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	7	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	7	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	7	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	8	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	8	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	8	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	8	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	8	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	8	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	9	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	9	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	9	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	9	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	9	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	9	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	10	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	10	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	10	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	10	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	10	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	10	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	11	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	11	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	11	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	11	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	11	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	11	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	12	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	12	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	12	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	12	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	12	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	12	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	14	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	14	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	14	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	14	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	14	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	14	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	15	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	15	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	15	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	15	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	15	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	15	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	17	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	17	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	17	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	17	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	17	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	17	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	19	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	19	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	19	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	19	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	19	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	19	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	20	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	20	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	20	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	20	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	20	0.66
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	20	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	1	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	1	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	1	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	1	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	1	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	1	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	2	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	2	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	2	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	2	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	2	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	2	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	4	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	4	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	4	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	4	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	4	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	4	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	6	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	6	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	6	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	6	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	6	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	7	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	7	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	7	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	7	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	7	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	7	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	8	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	8	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	8	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	8	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	8	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	8	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	9	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	9	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	9	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	9	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	9	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	9	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	10	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	10	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	10	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	10	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	10	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	10	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	11	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	11	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	11	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	11	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	11	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	11	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	12	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	12	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	12	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	12	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	12	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	12	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	14	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	14	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	14	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	14	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	14	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	14	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	15	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	15	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	15	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	15	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	15	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	15	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	17	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	17	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	17	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	17	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	17	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	17	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	19	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	19	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	19	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	19	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	19	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	19	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	20	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	20	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	20	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	20	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	20	0.66
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	20	0.66
(1,202)	1:8:A:PHE:HE1	1:9:A:ARG:HA	20	0.66
(1,202)	1:8:A:PHE:HE2	1:9:A:ARG:HA	20	0.66
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	15	0.65
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	15	0.65
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	15	0.65
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	15	0.65
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	3	0.65
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	3	0.65
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	1	0.65
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	1	0.65
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	1	0.65
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	1	0.65
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	2	0.65
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	2	0.65
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	2	0.65
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	9	0.65
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	9	0.65
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	9	0.65
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	9	0.65
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	2	0.65
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	2	0.65
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	9	0.65
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	9	0.65
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	14	0.65
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	14	0.65
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	17	0.65
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	17	0.65
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	19	0.65
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	19	0.65
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	20	0.65
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	20	0.65
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	10	0.65
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	10	0.65
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	14	0.65
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	14	0.65
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	2	0.65
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	2	0.65
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	2	0.65
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	2	0.65
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	9	0.65
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	9	0.65
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	9	0.65
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	9	0.65
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	18	0.65
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	18	0.65
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	14	0.65
(1,317)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	14	0.65
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	14	0.65
(1,317)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	14	0.65
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	9	0.65
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	8	0.65
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	8	0.65
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	8	0.65
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	8	0.65
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	10	0.65
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	10	0.65
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	10	0.65
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	11	0.65
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	11	0.65
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	11	0.65
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	11	0.65
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	8	0.65
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	9	0.65
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	15	0.65
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	16	0.64
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	16	0.64
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	13	0.64
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	13	0.64
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	13	0.64
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	13	0.64
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	20	0.64
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	20	0.64
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	20	0.64
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	20	0.64
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	6	0.64
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	6	0.64
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	6	0.64
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	6	0.64
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	1	0.64
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	1	0.64
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	4	0.64
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	4	0.64
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	6	0.64
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	6	0.64
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	7	0.64
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	7	0.64
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	8	0.64
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	8	0.64
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	10	0.64
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	10	0.64
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	11	0.64
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	11	0.64
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	12	0.64
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	12	0.64
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	13	0.64
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	13	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	15	0.64
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	15	0.64
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	3	0.64
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	3	0.64
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	3	0.64
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	3	0.64
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	6	0.64
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	6	0.64
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	6	0.64
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	6	0.64
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	8	0.64
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	8	0.64
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	8	0.64
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	8	0.64
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	10	0.64
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	10	0.64
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	10	0.64
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	10	0.64
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	11	0.64
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	11	0.64
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	11	0.64
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	11	0.64
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	15	0.64
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	15	0.64
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	15	0.64
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	15	0.64
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	16	0.64
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	16	0.64
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	16	0.64
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	16	0.64
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	13	0.64
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	13	0.64
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	13	0.64
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	13	0.64
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	13	0.64
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	13	0.64
(1,229)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	13	0.64
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD11	13	0.64
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD12	13	0.64
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD13	13	0.64
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD21	13	0.64
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD22	13	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:8:A:PHE:HZ	1:13:A:LEU:HD23	13	0.64
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	14	0.64
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	14	0.64
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	13	0.64
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	13	0.64
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	14	0.64
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	14	0.64
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	1	0.64
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	2	0.64
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	3	0.64
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	4	0.64
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	5	0.64
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	6	0.64
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	7	0.64
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	10	0.64
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	11	0.64
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	12	0.64
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	13	0.64
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	16	0.64
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	17	0.64
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	18	0.64
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	19	0.64
(1,193)	1:8:A:PHE:HA	1:8:A:PHE:HZ	20	0.64
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	14	0.64
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	14	0.64
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	5	0.63
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	5	0.63
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	18	0.63
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	18	0.63
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	8	0.63
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	8	0.63
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	8	0.63
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	8	0.63
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	10	0.63
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	10	0.63
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	10	0.63
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	10	0.63
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	15	0.63
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	15	0.63
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	15	0.63
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	15	0.63
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	19	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	19	0.63
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	19	0.63
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	19	0.63
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	5	0.63
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	5	0.63
(1,434)	1:15:A:ARG:HG2	1:16:A:LYS:H	18	0.63
(1,434)	1:15:A:ARG:HG3	1:16:A:LYS:H	18	0.63
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	3	0.63
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	3	0.63
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	5	0.63
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	5	0.63
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	5	0.63
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	5	0.63
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	18	0.63
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	18	0.63
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	18	0.63
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	18	0.63
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	5	0.63
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	5	0.63
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	2	0.63
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	5	0.63
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	9	0.63
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	14	0.63
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	18	0.63
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	8	0.63
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	14	0.63
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	1	0.63
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	3	0.63
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	4	0.63
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	7	0.63
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	14	0.63
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	16	0.63
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	17	0.63
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	18	0.63
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	19	0.63
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	20	0.63
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	2	0.63
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	2	0.63
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	2	0.63
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	2	0.63
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	9	0.63
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	9	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	9	0.63
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	9	0.63
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	14	0.63
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	14	0.63
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	14	0.63
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	14	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	1	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	1	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	2	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	2	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	3	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	3	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	4	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	4	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	5	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	5	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	6	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	6	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	7	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	7	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	8	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	8	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	9	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	9	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	10	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	10	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	11	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	11	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	12	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	12	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	15	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	15	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	16	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	16	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	17	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	17	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	19	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	19	0.63
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	20	0.63
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	20	0.63
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	1	0.62
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	1	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	1	0.62
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	1	0.62
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	7	0.62
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	7	0.62
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	7	0.62
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	7	0.62
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	17	0.62
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	17	0.62
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	17	0.62
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	17	0.62
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	11	0.62
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	11	0.62
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	11	0.62
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	11	0.62
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	1	0.62
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	1	0.62
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	5	0.62
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	5	0.62
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	16	0.62
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	16	0.62
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	18	0.62
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	18	0.62
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	13	0.62
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	6	0.62
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	10	0.62
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	11	0.62
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	5	0.62
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	6	0.62
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	8	0.62
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	10	0.62
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	11	0.62
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	12	0.62
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	15	0.62
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	6	0.62
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	6	0.62
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	6	0.62
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	6	0.62
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	2	0.62
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	2	0.62
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	9	0.62
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	9	0.62
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	13	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	13	0.62
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	1	0.62
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	1	0.62
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	17	0.62
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	17	0.62
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	20	0.62
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	20	0.62
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	13	0.62
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	13	0.62
(1,197)	1:8:A:PHE:HE1	1:8:A:PHE:H	18	0.62
(1,197)	1:8:A:PHE:HE2	1:8:A:PHE:H	18	0.62
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	13	0.62
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	13	0.62
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	14	0.62
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	14	0.62
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	14	0.62
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	14	0.62
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	3	0.61
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	3	0.61
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	3	0.61
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	14	0.61
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	14	0.61
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	14	0.61
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	16	0.61
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	16	0.61
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	16	0.61
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	4	0.61
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	4	0.61
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	4	0.61
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	4	0.61
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	3	0.61
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	3	0.61
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	3	0.61
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	3	0.61
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	3	0.61
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	3	0.61
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	3	0.61
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	3	0.61
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	3	0.61
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	3	0.61
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	3	0.61
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	3	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG2	16	0.61
(1,384)	1:13:A:LEU:HD11	1:15:A:ARG:HG3	16	0.61
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG2	16	0.61
(1,384)	1:13:A:LEU:HD12	1:15:A:ARG:HG3	16	0.61
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG2	16	0.61
(1,384)	1:13:A:LEU:HD13	1:15:A:ARG:HG3	16	0.61
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG2	16	0.61
(1,384)	1:13:A:LEU:HD21	1:15:A:ARG:HG3	16	0.61
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG2	16	0.61
(1,384)	1:13:A:LEU:HD22	1:15:A:ARG:HG3	16	0.61
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG2	16	0.61
(1,384)	1:13:A:LEU:HD23	1:15:A:ARG:HG3	16	0.61
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	1	0.61
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	1	0.61
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	1	0.61
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	1	0.61
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	7	0.61
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	7	0.61
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	7	0.61
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	7	0.61
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	12	0.61
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	12	0.61
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	12	0.61
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	12	0.61
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	13	0.61
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	13	0.61
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	13	0.61
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	13	0.61
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	17	0.61
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	17	0.61
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	17	0.61
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	17	0.61
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	15	0.61
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	2	0.61
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	1	0.61
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	1	0.61
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	1	0.61
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	4	0.61
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	4	0.61
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	4	0.61
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	17	0.61
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	17	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	17	0.61
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	19	0.61
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	19	0.61
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	19	0.61
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	20	0.61
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	20	0.61
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	20	0.61
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	2	0.61
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	2	0.61
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	9	0.61
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	9	0.61
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	10	0.61
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	10	0.61
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	12	0.61
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	12	0.61
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	16	0.61
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	16	0.61
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	6	0.61
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	6	0.61
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	8	0.61
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	8	0.61
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	10	0.61
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	10	0.61
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	11	0.61
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	11	0.61
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	4	0.61
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	4	0.61
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	7	0.61
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	7	0.61
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	12	0.61
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	12	0.61
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	19	0.61
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	19	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	2	0.61
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	2	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	3	0.61
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	3	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	4	0.61
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	4	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	5	0.61
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	5	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	7	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	8	0.61
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	8	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	9	0.61
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	9	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	10	0.61
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	10	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	11	0.61
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	11	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	12	0.61
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	12	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	13	0.61
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	13	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	15	0.61
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	15	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	16	0.61
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	16	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	17	0.61
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	17	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	18	0.61
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	18	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	19	0.61
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	19	0.61
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	20	0.61
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	20	0.61
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	2	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	2	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	2	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	4	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	4	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	4	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	5	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	5	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	5	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	6	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	6	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	6	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	7	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	7	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	7	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	8	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	8	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	8	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	9	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	9	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	9	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	10	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	10	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	10	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	11	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	11	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	11	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	12	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	12	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	12	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	15	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	15	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	15	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	17	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	17	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	17	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	18	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	18	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	18	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	19	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	19	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	19	0.6
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	12	0.6
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	12	0.6
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	12	0.6
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	12	0.6
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	4	0.6
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	4	0.6
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	4	0.6
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	4	0.6
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	19	0.6
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	19	0.6
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	19	0.6
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	19	0.6
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB2	20	0.6
(1,382)	1:13:A:LEU:HB2	1:15:A:ARG:HB3	20	0.6
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB2	20	0.6
(1,382)	1:13:A:LEU:HB3	1:15:A:ARG:HB3	20	0.6
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	5	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	18	0.6
(1,294)	1:10:A:ASP:HA	1:13:A:LEU:HG	9	0.6
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	14	0.6
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	14	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	6	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	6	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	6	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	7	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	7	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	7	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	8	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	8	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	8	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	10	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	10	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	10	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	11	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	11	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	11	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	12	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	12	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	12	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	15	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	15	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	15	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	16	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	16	0.6
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	16	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	1	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	1	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	3	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	3	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	4	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	4	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	5	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	5	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	6	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	6	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	7	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	7	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	8	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	8	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	11	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	11	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	13	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	13	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	14	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	14	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	15	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	15	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	17	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	17	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	18	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	18	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	19	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	19	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG12	20	0.6
(1,259)	1:9:A:ARG:HA	1:12:A:ILE:HG13	20	0.6
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	1	0.6
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	1	0.6
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	3	0.6
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	3	0.6
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	4	0.6
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	4	0.6
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	7	0.6
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	7	0.6
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	12	0.6
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	12	0.6
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	15	0.6
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	15	0.6
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	17	0.6
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	17	0.6
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	18	0.6
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	18	0.6
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	19	0.6
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	19	0.6
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	1	0.6
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	1	0.6
(1,154)	1:6:A:LYS:HG2	1:7:A:PHE:H	6	0.6
(1,154)	1:6:A:LYS:HG3	1:7:A:PHE:H	6	0.6
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	1	0.59
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	1	0.59
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	1	0.59
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	13	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	13	0.59
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	13	0.59
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	20	0.59
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	20	0.59
(2,6)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	20	0.59
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG2	14	0.59
(1,452)	1:16:A:LYS:HB2	1:17:A:LYS:HG3	14	0.59
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG2	14	0.59
(1,452)	1:16:A:LYS:HB3	1:17:A:LYS:HG3	14	0.59
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	6	0.59
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	8	0.59
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	10	0.59
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	11	0.59
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	15	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	2	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	2	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	2	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	3	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	3	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	3	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	5	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	5	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	5	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	9	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	9	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	9	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	13	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	13	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	13	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	18	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	18	0.59
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	18	0.59
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	5	0.59
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	5	0.59
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	16	0.59
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	16	0.59
(1,219)	1:8:A:PHE:HE1	1:12:A:ILE:HB	20	0.59
(1,219)	1:8:A:PHE:HE2	1:12:A:ILE:HB	20	0.59
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	3	0.59
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	3	0.59
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	6	0.59
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	6	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	8	0.59
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	8	0.59
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	10	0.59
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	10	0.59
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	11	0.59
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	11	0.59
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	15	0.59
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	15	0.59
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	14	0.59
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	14	0.59
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	14	0.59
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	14	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	1	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	1	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	2	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	2	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	4	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	4	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	6	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	6	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	7	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	7	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	8	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	8	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	9	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	9	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	11	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	11	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	12	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	12	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	15	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	15	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	17	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	17	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	18	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	18	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	19	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	19	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	20	0.59
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	20	0.59
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	4	0.59
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	5	0.59
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	5	0.59
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	7	0.59
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	7	0.59
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	12	0.59
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	12	0.59
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	15	0.59
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	15	0.59
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	19	0.59
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	19	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	1	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	1	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	2	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	2	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	3	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	3	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	4	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	4	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	5	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	5	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	6	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	6	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	7	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	7	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	8	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	8	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	9	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	9	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	11	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	11	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	12	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	12	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	13	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	13	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	15	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	15	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	16	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	16	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	17	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	17	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	18	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	18	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	19	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	19	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	20	0.59
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	20	0.59
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	2	0.59
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	2	0.59
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	2	0.59
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	8	0.59
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	8	0.59
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	8	0.59
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	6	0.58
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	6	0.58
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	8	0.58
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	8	0.58
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	10	0.58
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	10	0.58
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	11	0.58
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	11	0.58
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	14	0.58
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	14	0.58
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	15	0.58
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	15	0.58
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	19	0.58
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	19	0.58
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	19	0.58
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	19	0.58
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG2	14	0.58
(1,437)	1:15:A:ARG:HB2	1:17:A:LYS:HG3	14	0.58
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG2	14	0.58
(1,437)	1:15:A:ARG:HB3	1:17:A:LYS:HG3	14	0.58
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	1	0.58
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	3	0.58
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	7	0.58
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	12	0.58
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	17	0.58
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	19	0.58
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	20	0.58
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	1	0.58
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	3	0.58
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	16	0.58
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	2	0.58
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	2	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	5	0.58
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	5	0.58
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	9	0.58
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	9	0.58
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	16	0.58
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	16	0.58
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	18	0.58
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	18	0.58
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	14	0.58
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	5	0.58
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	5	0.58
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	10	0.58
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	10	0.58
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	4	0.58
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	4	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	1	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	1	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	2	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	2	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	6	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	6	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	8	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	8	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	9	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	9	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	10	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	10	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	11	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	11	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	13	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	13	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	16	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	16	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	17	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	17	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	18	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	18	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	20	0.58
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	20	0.58
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	10	0.58
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	10	0.58
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	2	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	1	0.58
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	3	0.58
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	5	0.58
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	6	0.58
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	9	0.58
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	13	0.58
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	16	0.58
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	18	0.58
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	20	0.58
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	14	0.58
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	1	0.58
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	1	0.58
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	1	0.58
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	1	0.58
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	1	0.58
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	1	0.58
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	1	0.58
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	1	0.58
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	3	0.57
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	3	0.57
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	16	0.57
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	16	0.57
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	5	0.57
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	5	0.57
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	1	0.57
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	1	0.57
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	20	0.57
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	20	0.57
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	4	0.57
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	2	0.57
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	2	0.57
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	2	0.57
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	2	0.57
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	3	0.57
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	3	0.57
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	3	0.57
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	3	0.57
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	8	0.57
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	8	0.57
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	8	0.57
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	8	0.57
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	9	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	9	0.57
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	9	0.57
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	9	0.57
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	10	0.57
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	10	0.57
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	10	0.57
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	10	0.57
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	11	0.57
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	11	0.57
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	11	0.57
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	11	0.57
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	15	0.57
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	15	0.57
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	15	0.57
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	15	0.57
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	16	0.57
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	16	0.57
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	16	0.57
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	16	0.57
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	4	0.57
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	7	0.57
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	17	0.57
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	13	0.57
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	13	0.57
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	13	0.57
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	13	0.57
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	14	0.57
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	14	0.57
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	14	0.57
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	14	0.57
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	14	0.57
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	14	0.57
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	14	0.57
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	14	0.57
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	14	0.57
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	14	0.57
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	14	0.57
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	14	0.57
(1,218)	1:8:A:PHE:HE1	1:12:A:ILE:HA	14	0.57
(1,218)	1:8:A:PHE:HE2	1:12:A:ILE:HA	14	0.57
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	13	0.57
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	13	0.57
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	13	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	1	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	2	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	3	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	4	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	5	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	6	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	7	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	8	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	9	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	10	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	11	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	12	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	13	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	15	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	16	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	17	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	18	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	19	0.57
(1,198)	1:8:A:PHE:HA	1:9:A:ARG:HA	20	0.57
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	3	0.57
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	3	0.57
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE1	16	0.57
(1,189)	1:7:A:PHE:H	1:11:A:PHE:HE2	16	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	1	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	1	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	2	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	2	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	3	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	3	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	5	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	5	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	6	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	6	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	7	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	7	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	8	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	8	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	9	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	9	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	10	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	11	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	11	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	12	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	12	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	15	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	15	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	16	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	16	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	17	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	17	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	18	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	18	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	19	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	19	0.57
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	20	0.57
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	20	0.57
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE1	3	0.57
(1,175)	1:7:A:PHE:HA	1:8:A:PHE:HE2	3	0.57
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	1	0.57
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	6	0.57
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	8	0.57
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	9	0.57
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	11	0.57
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	17	0.57
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	18	0.57
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	19	0.57
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	20	0.57
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	2	0.57
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	4	0.57
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	7	0.57
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	8	0.57
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	10	0.57
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	11	0.57
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	12	0.57
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	15	0.57
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	17	0.57
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	19	0.57
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	16	0.57
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	16	0.57
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	16	0.57
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	3	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	3	0.57
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	3	0.57
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	3	0.57
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	3	0.57
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	3	0.57
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	3	0.57
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	3	0.57
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	14	0.57
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	14	0.57
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	14	0.57
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	14	0.57
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	14	0.57
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	14	0.57
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	5	0.56
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	5	0.56
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	5	0.56
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	5	0.56
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	18	0.56
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	18	0.56
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	6	0.56
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	6	0.56
(1,342)	1:12:A:ILE:HA	1:13:A:LEU:HG	16	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	1	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	1	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	1	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	1	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	4	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	4	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	4	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	4	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	5	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	5	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	5	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	5	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	6	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	6	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	6	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	6	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	7	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	7	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	7	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	12	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	12	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	12	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	12	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	13	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	13	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	13	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	13	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	17	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	17	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	17	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	17	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	18	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	18	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	18	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	18	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	19	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	19	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	19	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	19	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	20	0.56
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	20	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	20	0.56
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	20	0.56
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	12	0.56
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	13	0.56
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	19	0.56
(1,296)	1:10:A:ASP:HA	1:14:A:GLN:H	20	0.56
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	13	0.56
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	13	0.56
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	13	0.56
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	13	0.56
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	13	0.56
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	13	0.56
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	2	0.56
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	2	0.56
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	7	0.56
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	7	0.56
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	8	0.56
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	8	0.56
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	9	0.56
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	9	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	15	0.56
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	15	0.56
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	17	0.56
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	17	0.56
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	20	0.56
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	20	0.56
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	20	0.56
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	20	0.56
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	3	0.56
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	3	0.56
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	3	0.56
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	3	0.56
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	3	0.56
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	3	0.56
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	3	0.56
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	3	0.56
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	3	0.56
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	3	0.56
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	3	0.56
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	3	0.56
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	16	0.56
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	16	0.56
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	16	0.56
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	16	0.56
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	16	0.56
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	16	0.56
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	16	0.56
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	16	0.56
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	16	0.56
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	16	0.56
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	16	0.56
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	16	0.56
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	4	0.56
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	13	0.56
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	13	0.56
(1,180)	1:7:A:PHE:HE1	1:8:A:PHE:H	14	0.56
(1,180)	1:7:A:PHE:HE2	1:8:A:PHE:H	14	0.56
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE1	14	0.56
(1,167)	1:7:A:PHE:HA	1:7:A:PHE:HE2	14	0.56
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	3	0.56
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	5	0.56
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	10	0.56
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	12	0.56
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	15	0.56
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	16	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	1	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	1	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	2	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	2	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	6	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	6	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	8	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	8	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	11	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	11	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	13	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	13	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	16	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	16	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	18	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	18	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	20	0.56
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	20	0.56
(1,124)	1:5:A:SER:HA	1:8:A:PHE:HZ	14	0.56
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	1	0.56
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	2	0.56
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	3	0.56
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	8	0.56
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	9	0.56
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	16	0.56
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	4	0.56
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	4	0.56
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	4	0.56
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	5	0.56
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	5	0.56
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	5	0.56
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	9	0.56
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	9	0.56
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	9	0.56
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	11	0.56
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	11	0.56
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	11	0.56
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	12	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	12	0.56
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	12	0.56
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	15	0.56
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	15	0.56
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	15	0.56
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	18	0.56
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	18	0.56
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	18	0.56
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	11	0.56
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	11	0.56
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	12	0.56
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	12	0.56
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	16	0.56
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	16	0.56
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	18	0.56
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	18	0.56
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	7	0.56
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	7	0.56
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	7	0.56
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	7	0.56
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	7	0.56
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	7	0.56
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	9	0.56
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	9	0.56
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	9	0.56
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	9	0.56
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	9	0.56
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	9	0.56
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	18	0.55
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	18	0.55
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	18	0.55
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	18	0.55
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	8	0.55
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	8	0.55
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	10	0.55
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	10	0.55
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	11	0.55
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	11	0.55
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	14	0.55
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	14	0.55
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	15	0.55
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	4	0.55
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	4	0.55
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	12	0.55
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	12	0.55
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	19	0.55
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	19	0.55
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	14	0.55
(1,316)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	14	0.55
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	14	0.55
(1,316)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	14	0.55
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	14	0.55
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	14	0.55
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	14	0.55
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	14	0.55
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	14	0.55
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	14	0.55
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	3	0.55
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	3	0.55
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	3	0.55
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	3	0.55
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	3	0.55
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	3	0.55
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	16	0.55
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	16	0.55
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	16	0.55
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	16	0.55
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	16	0.55
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	16	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	1	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	1	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	4	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	4	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	5	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	5	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	6	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	6	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	10	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	10	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	11	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	11	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	12	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	13	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	13	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	18	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	18	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	19	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	19	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	20	0.55
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	20	0.55
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	4	0.55
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	4	0.55
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	4	0.55
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	4	0.55
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	5	0.55
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	5	0.55
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	5	0.55
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	5	0.55
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	5	0.55
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	5	0.55
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	5	0.55
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	5	0.55
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	5	0.55
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	5	0.55
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	5	0.55
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	5	0.55
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	18	0.55
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	18	0.55
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	18	0.55
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	18	0.55
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	18	0.55
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	18	0.55
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	18	0.55
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	18	0.55
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	18	0.55
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	18	0.55
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	18	0.55
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	18	0.55
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	1	0.55
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	2	0.55
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	3	0.55
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	6	0.55
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	7	0.55
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	9	0.55
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	10	0.55
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	11	0.55
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	12	0.55
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	15	0.55
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	16	0.55
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	17	0.55
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	19	0.55
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	20	0.55
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	1	0.55
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	1	0.55
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	4	0.55
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	4	0.55
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	7	0.55
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	7	0.55
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	13	0.55
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	13	0.55
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	17	0.55
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	17	0.55
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	19	0.55
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	19	0.55
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	20	0.55
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	20	0.55
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	4	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	3	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	3	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	4	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	4	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	5	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	5	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	7	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	7	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	9	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	9	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	10	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	10	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	12	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	12	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	17	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	17	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	19	0.55
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	19	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	14	0.55
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	14	0.55
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	4	0.55
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	4	0.55
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	5	0.55
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	6	0.55
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	7	0.55
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	10	0.55
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	11	0.55
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	12	0.55
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	13	0.55
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	15	0.55
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	17	0.55
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	18	0.55
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	19	0.55
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	20	0.55
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	1	0.55
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	1	0.55
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	1	0.55
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	3	0.55
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	3	0.55
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	3	0.55
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	6	0.55
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	6	0.55
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	6	0.55
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	10	0.55
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	10	0.55
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	10	0.55
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	13	0.55
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	13	0.55
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	13	0.55
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	14	0.55
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	14	0.55
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	14	0.55
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	17	0.55
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	17	0.55
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	17	0.55
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	19	0.55
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	19	0.55
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	19	0.55
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	20	0.55
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	20	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	20	0.55
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	5	0.55
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	5	0.55
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	9	0.55
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	9	0.55
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	14	0.55
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	14	0.55
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	12	0.55
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	12	0.55
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	12	0.55
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	12	0.55
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	12	0.55
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	12	0.55
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	16	0.55
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	16	0.55
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	16	0.55
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	16	0.55
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	16	0.55
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	16	0.55
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	3	0.54
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	3	0.54
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	7	0.54
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	7	0.54
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	13	0.54
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	13	0.54
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	17	0.54
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	17	0.54
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	1	0.54
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	1	0.54
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	1	0.54
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	1	0.54
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	1	0.54
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	1	0.54
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	14	0.54
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	14	0.54
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	14	0.54
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	14	0.54
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	14	0.54
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	14	0.54
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	1	0.54
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	1	0.54
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	1	0.54
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	17	0.54
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	17	0.54
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	17	0.54
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	17	0.54
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	19	0.54
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	19	0.54
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	19	0.54
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	19	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	1	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	1	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	1	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	1	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	1	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	1	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	1	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	1	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	1	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	1	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	1	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	1	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	2	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	2	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	2	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	2	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	2	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	2	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	2	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	2	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	2	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	2	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	2	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	2	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	4	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	4	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	4	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	4	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	4	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	4	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	4	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	4	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	4	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	4	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	4	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	6	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	6	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	6	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	6	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	6	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	6	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	6	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	6	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	6	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	6	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	6	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	6	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	7	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	7	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	7	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	7	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	7	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	7	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	7	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	7	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	7	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	7	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	7	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	7	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	8	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	8	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	8	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	8	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	8	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	8	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	8	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	8	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	8	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	8	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	8	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	8	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	9	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	9	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	9	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	9	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	9	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	9	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	9	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	9	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	9	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	9	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	9	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	10	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	10	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	10	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	10	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	10	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	10	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	10	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	10	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	10	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	10	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	10	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	10	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	11	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	11	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	11	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	11	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	11	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	11	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	11	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	11	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	11	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	11	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	11	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	11	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	12	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	12	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	12	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	12	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	12	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	12	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	12	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	12	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	12	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	12	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	12	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	12	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	15	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	15	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	15	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	15	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	15	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	15	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	15	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	15	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	15	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	15	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	15	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	15	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	17	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	17	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	17	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	17	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	17	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	17	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	17	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	17	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	17	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	17	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	17	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	17	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	19	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	19	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	19	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	19	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	19	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	19	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	19	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	19	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	19	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	19	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	19	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	19	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	20	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	20	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	20	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	20	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	20	0.54
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	20	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	20	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	20	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	20	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	20	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	20	0.54
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	20	0.54
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	5	0.54
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	13	0.54
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	18	0.54
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	2	0.54
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	2	0.54
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	6	0.54
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	6	0.54
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	8	0.54
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	8	0.54
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	12	0.54
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	12	0.54
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	14	0.54
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	14	0.54
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	13	0.54
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	13	0.54
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	15	0.54
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	15	0.54
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	4	0.54
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	4	0.54
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	12	0.54
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	12	0.54
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	13	0.54
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	13	0.54
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	15	0.54
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	15	0.54
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	19	0.54
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	19	0.54
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	1	0.54
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	1	0.54
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	3	0.54
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	3	0.54
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	13	0.54
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	13	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	16	0.54
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	16	0.54
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	18	0.54
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	18	0.54
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	3	0.54
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	3	0.54
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	5	0.54
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	5	0.54
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	9	0.54
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	9	0.54
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	11	0.54
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	11	0.54
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	12	0.54
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	12	0.54
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	14	0.54
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	14	0.54
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	15	0.54
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	15	0.54
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	16	0.54
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	16	0.54
(1,73)	1:4:A:LEU:HG	1:5:A:SER:HA	4	0.54
(1,44)	1:3:A:ALA:HB1	1:6:A:LYS:H	7	0.54
(1,44)	1:3:A:ALA:HB2	1:6:A:LYS:H	7	0.54
(1,44)	1:3:A:ALA:HB3	1:6:A:LYS:H	7	0.54
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	2	0.54
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	2	0.54
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	2	0.54
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	2	0.54
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	2	0.54
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	2	0.54
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	8	0.54
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	8	0.54
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	8	0.54
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	8	0.54
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	8	0.54
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	8	0.54
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	2	0.54
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	2	0.54
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	2	0.54
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	2	0.54
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	2	0.54
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	8	0.54
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	8	0.54
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	8	0.54
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	8	0.54
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	8	0.54
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	8	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	5	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	5	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	5	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	5	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	5	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	5	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	6	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	6	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	6	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	6	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	6	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	6	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	10	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	10	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	10	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	10	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	10	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	10	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	11	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	11	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	11	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	11	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	11	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	11	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	18	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	18	0.54
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	18	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	18	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	18	0.54
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	18	0.54
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	2	0.53
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	2	0.53
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	2	0.53
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	9	0.53
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	9	0.53
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	5	0.53
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	5	0.53
(1,433)	1:15:A:ARG:HG2	1:16:A:LYS:H	18	0.53
(1,433)	1:15:A:ARG:HG3	1:16:A:LYS:H	18	0.53
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG2	16	0.53
(1,404)	1:14:A:GLN:HA	1:17:A:LYS:HG3	16	0.53
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	7	0.53
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	7	0.53
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	19	0.53
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	19	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	5	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	5	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	5	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	5	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	5	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	5	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	7	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	7	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	7	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	7	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	7	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	7	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	17	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	17	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	17	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	17	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	17	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	17	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	18	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	18	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	18	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	18	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	18	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	18	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	20	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	20	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	20	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	20	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	20	0.53
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	20	0.53
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	3	0.53
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE1	16	0.53
(1,287)	1:10:A:ASP:H	1:11:A:PHE:HE2	16	0.53
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD11	14	0.53
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD12	14	0.53
(1,261)	1:9:A:ARG:H	1:12:A:ILE:HD13	14	0.53
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	7	0.53
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	7	0.53
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	7	0.53
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	7	0.53
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD2	12	0.53
(1,230)	1:8:A:PHE:HE1	1:15:A:ARG:HD3	12	0.53
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD2	12	0.53
(1,230)	1:8:A:PHE:HE2	1:15:A:ARG:HD3	12	0.53
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	13	0.53
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	13	0.53
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	13	0.53
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	13	0.53
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	13	0.53
(1,226)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	13	0.53
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	13	0.53
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	13	0.53
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	13	0.53
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	13	0.53
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	13	0.53
(1,226)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	13	0.53
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	5	0.53
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	5	0.53
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	9	0.53
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	9	0.53
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	10	0.53
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	10	0.53
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	11	0.53
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	11	0.53
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	15	0.53
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	15	0.53
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	18	0.53
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	18	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	1	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	1	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	2	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	2	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	3	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	4	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	4	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	5	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	5	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	6	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	6	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	7	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	7	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	8	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	8	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	9	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	9	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	10	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	10	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	11	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	11	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	12	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	12	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	14	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	14	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	15	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	15	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	16	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	16	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	17	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	17	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	18	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	18	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	19	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	19	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB2	20	0.53
(1,146)	1:6:A:LYS:HA	1:7:A:PHE:HB3	20	0.53
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE1	14	0.53
(1,128)	1:5:A:SER:H	1:8:A:PHE:HE2	14	0.53
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	1	0.53
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	1	0.53
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	2	0.53
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	2	0.53
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	3	0.53
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	3	0.53
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	5	0.53
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	6	0.53
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	6	0.53
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	7	0.53
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	7	0.53
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	8	0.53
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	8	0.53
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	9	0.53
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	9	0.53
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	10	0.53
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	10	0.53
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	11	0.53
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	11	0.53
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	16	0.53
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	16	0.53
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	17	0.53
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	17	0.53
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	18	0.53
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	18	0.53
(1,127)	1:5:A:SER:HB2	1:8:A:PHE:H	20	0.53
(1,127)	1:5:A:SER:HB3	1:8:A:PHE:H	20	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	2	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	2	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	4	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	4	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	5	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	5	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	6	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	6	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	7	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	7	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	8	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	8	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	9	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	9	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	10	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	10	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	11	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	11	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	12	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	12	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	14	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	14	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	15	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	15	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	17	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	17	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	19	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	19	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE1	20	0.53
(1,122)	1:5:A:SER:HA	1:8:A:PHE:HE2	20	0.53
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	14	0.53
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	14	0.53
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	1	0.53
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	1	0.53
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	7	0.53
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	7	0.53
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	10	0.53
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	10	0.53
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	13	0.53
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	13	0.53
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	17	0.53
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	17	0.53
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	18	0.53
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	18	0.53
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	19	0.53
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	19	0.53
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	20	0.53
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	20	0.53
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	2	0.53
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	8	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	1	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	1	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	1	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	1	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	1	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	1	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	3	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	3	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	3	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	3	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	3	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	3	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	4	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	4	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	4	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	4	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	4	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	5	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	5	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	5	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	5	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	5	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	5	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	6	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	6	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	6	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	6	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	6	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	6	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	7	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	7	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	7	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	7	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	7	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	7	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	9	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	9	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	9	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	9	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	9	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	9	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	10	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	10	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	10	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	10	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	10	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	10	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	11	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	11	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	11	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	11	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	11	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	11	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	12	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	12	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	12	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	12	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	12	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	12	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	13	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	13	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	13	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	13	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	13	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	13	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	14	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	14	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	14	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	14	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	14	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	14	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	15	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	15	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	15	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	15	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	15	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	15	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	17	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	17	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	17	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	17	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	17	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	17	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	18	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	18	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	18	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	18	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	18	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	18	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	19	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	19	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	19	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	19	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	19	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	19	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	20	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	20	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	20	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	20	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	20	0.53
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	20	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	1	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	1	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	1	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	1	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	1	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	1	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	3	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	3	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	3	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	3	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	3	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	3	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	4	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	4	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	4	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	4	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	4	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	4	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	5	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	5	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	5	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	5	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	5	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	5	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	6	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	6	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	6	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	6	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	6	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	6	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	7	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	7	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	7	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	7	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	7	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	7	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	9	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	9	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	9	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	9	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	9	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	10	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	10	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	10	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	10	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	10	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	10	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	11	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	11	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	11	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	11	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	11	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	11	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	12	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	12	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	12	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	12	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	12	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	12	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	13	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	13	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	13	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	13	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	13	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	13	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	14	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	14	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	14	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	14	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	14	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	14	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	15	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	15	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	15	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	15	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	15	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	15	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	17	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	17	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	17	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	17	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	17	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	18	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	18	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	18	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	18	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	18	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	18	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	19	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	19	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	19	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	19	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	19	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	19	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	20	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	20	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	20	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	20	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	20	0.53
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	20	0.53
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	13	0.53
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	13	0.53
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	13	0.53
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	13	0.53
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	13	0.53
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	13	0.53
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	17	0.53
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	17	0.53
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	17	0.53
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	17	0.53
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	17	0.53
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	17	0.53
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	19	0.53
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	19	0.53
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	19	0.53
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	19	0.53
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	19	0.53
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	19	0.53
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	20	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	20	0.53
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	20	0.53
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	20	0.53
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	20	0.53
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	20	0.53
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	3	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	3	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	3	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	5	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	5	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	5	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	6	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	6	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	6	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	8	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	8	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	8	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	10	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	10	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	10	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	11	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	11	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	11	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	15	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	15	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	15	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	16	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	16	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	16	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	18	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	18	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	18	0.52
(1,448)	1:16:A:LYS:HG2	1:16:A:LYS:H	5	0.52
(1,448)	1:16:A:LYS:HG3	1:16:A:LYS:H	5	0.52
(1,448)	1:16:A:LYS:HG2	1:16:A:LYS:H	18	0.52
(1,448)	1:16:A:LYS:HG3	1:16:A:LYS:H	18	0.52
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	3	0.52
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	3	0.52
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	3	0.52
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	3	0.52
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	16	0.52
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	16	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	16	0.52
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	16	0.52
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	14	0.52
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	14	0.52
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	1	0.52
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	1	0.52
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	4	0.52
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	4	0.52
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	12	0.52
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	12	0.52
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	17	0.52
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	17	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	4	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	4	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	4	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	4	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	4	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	4	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	12	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	12	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	12	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	12	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	12	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	12	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	19	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	19	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	19	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	19	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	19	0.52
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	19	0.52
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	14	0.52
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	14	0.52
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	1	0.52
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	1	0.52
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	2	0.52
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	2	0.52
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	6	0.52
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	6	0.52
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	8	0.52
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	8	0.52
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	9	0.52
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	9	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	11	0.52
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	11	0.52
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	12	0.52
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	12	0.52
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	16	0.52
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	16	0.52
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	17	0.52
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	17	0.52
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	18	0.52
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	18	0.52
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	19	0.52
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	19	0.52
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	20	0.52
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	20	0.52
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	14	0.52
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	14	0.52
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	2	0.52
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	2	0.52
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	6	0.52
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	6	0.52
(1,89)	1:4:A:LEU:HB2	1:7:A:PHE:HA	8	0.52
(1,89)	1:4:A:LEU:HB3	1:7:A:PHE:HA	8	0.52
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	8	0.52
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	8	0.52
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	8	0.52
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD11	16	0.52
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD12	16	0.52
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD13	16	0.52
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD21	16	0.52
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD22	16	0.52
(1,31)	1:3:A:ALA:HA	1:4:A:LEU:HD23	16	0.52
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD11	16	0.52
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD12	16	0.52
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD13	16	0.52
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD21	16	0.52
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD22	16	0.52
(1,30)	1:3:A:ALA:HA	1:4:A:LEU:HD23	16	0.52
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	4	0.52
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	4	0.52
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	4	0.52
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	4	0.52
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	4	0.52
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	15	0.52
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	15	0.52
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	15	0.52
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	15	0.52
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	15	0.52
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	15	0.52
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	1	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	1	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	1	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	4	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	4	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	4	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	7	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	7	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	7	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	12	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	12	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	12	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	17	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	17	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	17	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	19	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	19	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	19	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	20	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	20	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	20	0.51
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	13	0.51
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	13	0.51
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	3	0.51
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	3	0.51
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	3	0.51
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	3	0.51
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	3	0.51
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	3	0.51
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	5	0.51
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	5	0.51
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	5	0.51
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	5	0.51
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	5	0.51
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	16	0.51
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	16	0.51
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	16	0.51
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	16	0.51
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	16	0.51
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	16	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	6	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	6	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	6	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	6	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	6	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	6	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	8	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	8	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	8	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	8	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	8	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	8	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	10	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	10	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	10	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	10	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	10	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	10	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	11	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	11	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	11	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	11	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	11	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	11	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	15	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	15	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	15	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	15	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	15	0.51
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	15	0.51
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	2	0.51
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	9	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	1	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	1	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	1	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	2	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	2	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	2	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	2	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	3	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	3	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	3	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	3	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	6	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	6	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	6	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	6	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	8	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	8	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	8	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	8	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	9	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	9	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	9	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	9	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	10	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	10	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	10	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	10	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	11	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	11	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	11	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	11	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	15	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	15	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	15	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	15	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	18	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	18	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	18	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	18	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	19	0.51
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	19	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	19	0.51
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	19	0.51
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	3	0.51
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	3	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	4	0.51
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	4	0.51
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	5	0.51
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	5	0.51
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	7	0.51
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	7	0.51
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	10	0.51
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	10	0.51
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	13	0.51
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	13	0.51
(1,120)	1:5:A:SER:HB2	1:7:A:PHE:H	15	0.51
(1,120)	1:5:A:SER:HB3	1:7:A:PHE:H	15	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	4	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	4	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	5	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	5	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	7	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	7	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	10	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	10	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	12	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	12	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	15	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	15	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	17	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	17	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	19	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	19	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	20	0.51
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	20	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	2	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	2	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	3	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	3	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	4	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	4	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	5	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	5	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	8	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	8	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	10	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	15	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	15	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	16	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	16	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	20	0.51
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	20	0.51
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	4	0.51
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	4	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	1	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	1	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	1	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	1	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	1	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	1	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	1	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	1	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	1	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	1	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	1	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	1	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	2	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	2	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	2	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	2	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	2	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	2	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	2	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	2	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	2	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	2	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	2	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	2	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	5	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	5	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	5	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	5	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	5	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	5	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	5	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	5	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	5	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	5	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	5	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	8	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	8	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	8	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	8	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	8	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	8	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	8	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	8	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	8	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	8	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	8	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	8	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	9	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	9	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	9	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	9	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	9	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	9	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	9	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	9	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	9	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	9	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	9	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	9	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	11	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	11	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	11	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	11	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	11	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	11	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	11	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	11	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	11	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	11	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	11	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	11	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	12	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	12	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	12	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	12	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	12	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	12	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	12	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	12	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	12	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	12	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	12	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	12	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	16	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	16	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	16	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	16	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	16	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	16	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	16	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	16	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	16	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	16	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	16	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	16	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	18	0.51
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	18	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	18	0.51
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	18	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	18	0.51
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	18	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	18	0.51
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	18	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	18	0.51
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	18	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	18	0.51
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	18	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	1	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	1	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	1	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	1	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	1	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	1	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	1	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	1	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	1	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	1	0.51
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	1	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	2	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	2	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	2	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	2	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	2	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	2	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	2	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	2	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	2	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	2	0.51
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	2	0.51
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	2	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	5	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	5	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	5	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	5	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	5	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	5	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	5	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	5	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	5	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	5	0.51
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	5	0.51
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	5	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	8	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	8	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	8	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	8	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	8	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	8	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	8	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	8	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	8	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	8	0.51
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	8	0.51
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	8	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	9	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	9	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	9	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	9	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	9	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	9	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	9	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	9	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	9	0.51
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	9	0.51
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	9	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	11	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	11	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	11	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	11	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	11	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	11	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	11	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	11	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	11	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	11	0.51
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	11	0.51
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	11	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	12	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	12	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	12	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	12	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	12	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	12	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	12	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	12	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	12	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	12	0.51
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	12	0.51
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	12	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	16	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	16	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	16	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	16	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	16	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	16	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	16	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	16	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	16	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	16	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	16	0.51
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	16	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	18	0.51
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	18	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	18	0.51
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	18	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	18	0.51
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	18	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	18	0.51
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	18	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	18	0.51
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	18	0.51
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	18	0.51
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	18	0.51
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	1	0.51
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	2	0.51
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	3	0.51
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	5	0.51
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	8	0.51
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	9	0.51
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	11	0.51
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	12	0.51
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	14	0.51
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	16	0.51
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	18	0.51
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	14	0.51
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	14	0.51
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	14	0.51
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	14	0.51
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	14	0.51
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	14	0.51
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	14	0.51
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	14	0.51
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	14	0.51
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	14	0.51
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	14	0.51
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	14	0.51
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	2	0.51
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	2	0.51
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	2	0.51
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	2	0.51
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	2	0.51
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	2	0.51
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	2	0.51
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	2	0.51
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	2	0.51
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	2	0.51
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	2	0.51
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	8	0.51
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	8	0.51
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	8	0.51
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	8	0.51
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	8	0.51
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	8	0.51
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	8	0.51
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	8	0.51
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	8	0.51
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	8	0.51
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	8	0.51
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	8	0.51
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	2	0.51
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	2	0.51
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	2	0.51
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	13	0.5
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	13	0.5
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	13	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	8	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	8	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	8	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	8	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	8	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	8	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	9	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	9	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	9	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	9	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	9	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	9	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	10	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	10	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	10	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	10	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	10	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	12	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	12	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	12	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	12	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	12	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	12	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	13	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	13	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	13	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	13	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	13	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	13	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	15	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	15	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	15	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	15	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	15	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	15	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	18	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	18	0.5
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	18	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	18	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	18	0.5
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	18	0.5
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	2	0.5
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	2	0.5
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	2	0.5
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	2	0.5
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	2	0.5
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	2	0.5
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD11	9	0.5
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD12	9	0.5
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD13	9	0.5
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD21	9	0.5
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD22	9	0.5
(1,292)	1:10:A:ASP:HA	1:13:A:LEU:HD23	9	0.5
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	4	0.5
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	4	0.5
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	4	0.5
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	4	0.5
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	5	0.5
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	5	0.5
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	5	0.5
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	7	0.5
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	7	0.5
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	7	0.5
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	7	0.5
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	12	0.5
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	12	0.5
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	12	0.5
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	12	0.5
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	16	0.5
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	16	0.5
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	16	0.5
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	16	0.5
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	17	0.5
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	17	0.5
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	17	0.5
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	17	0.5
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB2	20	0.5
(1,203)	1:8:A:PHE:HE1	1:9:A:ARG:HB3	20	0.5
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB2	20	0.5
(1,203)	1:8:A:PHE:HE2	1:9:A:ARG:HB3	20	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	1	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	1	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	2	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	2	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	3	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	3	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	6	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	6	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	8	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	8	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	9	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	9	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	11	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	11	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	13	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	13	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	16	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	16	0.5
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB2	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:5:A:SER:HA	1:7:A:PHE:HB3	18	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	1	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	1	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	6	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	6	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	7	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	7	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	9	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	9	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	11	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	11	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	12	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	12	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	13	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	13	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	17	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	17	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	18	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	18	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	19	0.5
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	19	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	3	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	3	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	3	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	3	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	3	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	3	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	3	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	3	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	3	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	3	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	3	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	3	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	4	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	4	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	4	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	4	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	4	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	4	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	4	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	4	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	4	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	4	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	4	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	6	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	6	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	6	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	6	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	6	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	6	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	6	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	6	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	6	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	6	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	6	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	6	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	7	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	7	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	7	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	7	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	7	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	7	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	7	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	7	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	7	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	7	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	7	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	7	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	10	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	10	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	10	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	10	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	10	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	10	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	10	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	10	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	10	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	10	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	10	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	10	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	13	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	13	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	13	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	13	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	13	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	13	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	13	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	13	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	13	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	13	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	13	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	13	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	14	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	14	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	14	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	14	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	14	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	14	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	14	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	14	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	14	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	14	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	14	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	14	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	15	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	15	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	15	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	15	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	15	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	15	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	15	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	15	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	15	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	15	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	15	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	15	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	17	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	17	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	17	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	17	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	17	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	17	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	17	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	17	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	17	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	17	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	17	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	19	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	19	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	19	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	19	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	19	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	19	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	19	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	19	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	19	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	19	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	19	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	19	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	20	0.5
(1,105)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	20	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	20	0.5
(1,105)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	20	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	20	0.5
(1,105)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	20	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	20	0.5
(1,105)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	20	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	20	0.5
(1,105)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	20	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	20	0.5
(1,105)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	20	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	3	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	3	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	3	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	3	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	3	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	3	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	3	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	3	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	3	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	3	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	3	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	3	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	4	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	4	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	4	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	4	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	4	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	4	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	4	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	4	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	4	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	4	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	4	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	6	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	6	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	6	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	6	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	6	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	6	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	6	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	6	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	6	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	6	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	6	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	6	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	7	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	7	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	7	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	7	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	7	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	7	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	7	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	7	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	7	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	7	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	7	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	7	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	10	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	10	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	10	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	10	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	10	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	10	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	10	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	10	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	10	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	10	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	10	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	13	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	13	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	13	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	13	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	13	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	13	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	13	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	13	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	13	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	13	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	13	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	13	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	14	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	14	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	14	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	14	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	14	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	14	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	14	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	14	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	14	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	14	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	14	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	14	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	15	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	15	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	15	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	15	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	15	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	15	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	15	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	15	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	15	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	15	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	15	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	15	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	17	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	17	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	17	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	17	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	17	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	17	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	17	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	17	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	17	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	17	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	17	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	19	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	19	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	19	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	19	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	19	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	19	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	19	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	19	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	19	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	19	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	19	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	19	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB2	20	0.5
(1,101)	1:4:A:LEU:HD11	1:8:A:PHE:HB3	20	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB2	20	0.5
(1,101)	1:4:A:LEU:HD12	1:8:A:PHE:HB3	20	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB2	20	0.5
(1,101)	1:4:A:LEU:HD13	1:8:A:PHE:HB3	20	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB2	20	0.5
(1,101)	1:4:A:LEU:HD21	1:8:A:PHE:HB3	20	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB2	20	0.5
(1,101)	1:4:A:LEU:HD22	1:8:A:PHE:HB3	20	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB2	20	0.5
(1,101)	1:4:A:LEU:HD23	1:8:A:PHE:HB3	20	0.5
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	3	0.5
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	3	0.5
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	3	0.5
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	3	0.5
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	3	0.5
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	3	0.5
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	4	0.5
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	4	0.5
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	4	0.5
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	4	0.5
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	4	0.5
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	5	0.5
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	5	0.5
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	5	0.5
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	5	0.5
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	5	0.5
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	5	0.5
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	7	0.5
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	7	0.5
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	7	0.5
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	7	0.5
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	7	0.5
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	7	0.5
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	10	0.5
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	10	0.5
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	10	0.5
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	10	0.5
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	10	0.5
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	10	0.5
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	11	0.5
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	11	0.5
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	11	0.5
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	11	0.5
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	11	0.5
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	11	0.5
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	12	0.5
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	12	0.5
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	12	0.5
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	12	0.5
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	12	0.5
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	12	0.5
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	15	0.5
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	15	0.5
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	15	0.5
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	15	0.5
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	15	0.5
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	15	0.5
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	16	0.5
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	16	0.5
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	16	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	16	0.5
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	16	0.5
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	16	0.5
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	17	0.5
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	17	0.5
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	17	0.5
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	17	0.5
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	17	0.5
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	17	0.5
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	18	0.5
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	18	0.5
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	18	0.5
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	18	0.5
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	18	0.5
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	18	0.5
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	19	0.5
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	19	0.5
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	19	0.5
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	19	0.5
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	19	0.5
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	19	0.5
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	20	0.5
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	20	0.5
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	20	0.5
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	20	0.5
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	20	0.5
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	20	0.5
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	4	0.5
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	6	0.5
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	7	0.5
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	10	0.5
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	13	0.5
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	15	0.5
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	17	0.5
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	19	0.5
(1,84)	1:4:A:LEU:HA	1:7:A:PHE:HA	20	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	1	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	1	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	1	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	1	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	1	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	1	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	1	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	1	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	1	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	1	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	1	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	2	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	2	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	2	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	2	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	2	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	2	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	2	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	2	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	2	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	2	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	2	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	2	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	4	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	4	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	4	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	4	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	4	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	4	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	4	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	4	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	4	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	4	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	4	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	4	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	7	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	7	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	7	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	7	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	7	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	7	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	7	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	7	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	7	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	7	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	7	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	8	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	8	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	8	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	8	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	8	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	8	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	8	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	8	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	8	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	8	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	8	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	8	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	9	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	9	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	9	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	9	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	9	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	9	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	9	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	9	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	9	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	9	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	9	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	9	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	11	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	11	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	11	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	11	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	11	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	11	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	11	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	11	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	11	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	11	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	11	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	11	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	12	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	12	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	12	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	12	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	12	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	12	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	12	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	12	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	12	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	12	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	12	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	17	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	17	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	17	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	17	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	17	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	17	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	17	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	17	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	17	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	17	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	17	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	17	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	18	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	18	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	18	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	18	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	18	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	18	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	18	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	18	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	18	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	18	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	18	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	18	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	19	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	19	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	19	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	19	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	19	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	19	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	19	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	19	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	19	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	19	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	19	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	19	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	20	0.5
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	20	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	20	0.5
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	20	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	20	0.5
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	20	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	20	0.5
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	20	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	20	0.5
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	20	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	20	0.5
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	20	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	1	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	1	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	1	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	1	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	1	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	1	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	1	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	1	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	1	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	1	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	1	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	1	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	6	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	6	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	6	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	6	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	6	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	6	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	6	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	6	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	6	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	6	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	6	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	6	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	7	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	7	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	7	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	7	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	7	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	7	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	7	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	7	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	7	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	7	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	7	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	9	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	9	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	9	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	9	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	9	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	9	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	9	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	9	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	9	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	9	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	9	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	9	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	10	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	10	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	10	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	10	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	10	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	10	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	10	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	10	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	10	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	10	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	10	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	10	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	12	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	12	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	12	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	12	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	12	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	12	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	12	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	12	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	12	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	12	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	12	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	14	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	14	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	14	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	14	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	14	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	14	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	14	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	14	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	14	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	14	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	14	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	14	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	17	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	17	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	17	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	17	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	17	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	17	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	17	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	17	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	17	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	17	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	17	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	17	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	19	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	19	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	19	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	19	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	19	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	19	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	19	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	19	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	19	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	19	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	19	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	19	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	20	0.5
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	20	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	20	0.5
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	20	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	20	0.5
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	20	0.5
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	20	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	20	0.5
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	20	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	20	0.5
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	20	0.5
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	6	0.5
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	6	0.5
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	6	0.5
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	5	0.5
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	11	0.5
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	12	0.5
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	18	0.5
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	11	0.5
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	11	0.5
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	11	0.5
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	11	0.5
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	18	0.5
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	18	0.5
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	18	0.5
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	18	0.5
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	1	0.5
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	1	0.5
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	1	0.5
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	14	0.49
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	14	0.49
(2,4)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	14	0.49
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	5	0.49
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	18	0.49
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	20	0.49
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	20	0.49
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	5	0.49
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	5	0.49
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	5	0.49
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	5	0.49
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	5	0.49
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	5	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	1	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	1	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	1	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	1	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	1	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	2	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	2	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	2	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	2	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	2	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	2	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	4	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	4	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	4	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	4	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	4	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	4	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	6	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	6	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	6	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	6	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	6	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	6	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	7	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	7	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	7	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	7	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	7	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	7	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	11	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	11	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	11	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	11	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	11	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	11	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	17	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	17	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	17	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	17	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	17	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	17	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	19	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	19	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	19	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	19	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	19	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	20	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	20	0.49
(1,312)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	20	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	20	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	20	0.49
(1,312)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	20	0.49
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	8	0.49
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	10	0.49
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	11	0.49
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	14	0.49
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	15	0.49
(1,214)	1:8:A:PHE:HA	1:12:A:ILE:HB	14	0.49
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	3	0.49
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	3	0.49
(1,208)	1:8:A:PHE:HE1	1:11:A:PHE:HA	16	0.49
(1,208)	1:8:A:PHE:HE2	1:11:A:PHE:HA	16	0.49
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	13	0.49
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB2	14	0.49
(1,113)	1:5:A:SER:HA	1:6:A:LYS:HB3	14	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	1	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	1	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	2	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	2	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	3	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	3	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	5	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	5	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	6	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	6	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	7	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	7	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	8	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	8	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	9	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	9	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	10	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	10	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	11	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	11	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	12	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	12	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	13	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	13	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	14	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	14	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	15	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	15	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	16	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	16	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	17	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	17	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	18	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	18	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	19	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	19	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE1	20	0.49
(1,109)	1:4:A:LEU:HG	1:8:A:PHE:HE2	20	0.49
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	1	0.49
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	1	0.49
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	1	0.49
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	1	0.49
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	1	0.49
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	1	0.49
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	2	0.49
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	2	0.49
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	2	0.49
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	2	0.49
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	2	0.49
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	2	0.49
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	6	0.49
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	6	0.49
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	6	0.49
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	6	0.49
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	6	0.49
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	6	0.49
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	8	0.49
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	8	0.49
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	8	0.49
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	8	0.49
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	8	0.49
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	8	0.49
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	9	0.49
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	9	0.49
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	9	0.49
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	9	0.49
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	9	0.49
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	13	0.49
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	13	0.49
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	13	0.49
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	13	0.49
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	13	0.49
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	13	0.49
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	3	0.49
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	3	0.49
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	3	0.49
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	3	0.49
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	3	0.49
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	3	0.49
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	3	0.49
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	3	0.49
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	3	0.49
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	3	0.49
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	3	0.49
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	3	0.49
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	5	0.49
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	5	0.49
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	5	0.49
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	5	0.49
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	5	0.49
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	5	0.49
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	5	0.49
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	5	0.49
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	5	0.49
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	5	0.49
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	5	0.49
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	5	0.49
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	6	0.49
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	6	0.49
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	6	0.49
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	6	0.49
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	6	0.49
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	6	0.49
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	6	0.49
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	6	0.49
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	6	0.49
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	6	0.49
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	6	0.49
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	13	0.49
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	13	0.49
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	13	0.49
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	13	0.49
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	13	0.49
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	13	0.49
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	13	0.49
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	13	0.49
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	13	0.49
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	13	0.49
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	13	0.49
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	13	0.49
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	15	0.49
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	15	0.49
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	15	0.49
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	15	0.49
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	15	0.49
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	15	0.49
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	15	0.49
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	15	0.49
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	15	0.49
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	15	0.49
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	15	0.49
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	15	0.49
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	16	0.49
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	16	0.49
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	16	0.49
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	16	0.49
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	16	0.49
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	16	0.49
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	16	0.49
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	16	0.49
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	16	0.49
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	16	0.49
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	16	0.49
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	16	0.49
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	3	0.49
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	3	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	3	0.49
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	3	0.49
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	3	0.49
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	3	0.49
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	3	0.49
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	3	0.49
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	3	0.49
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	3	0.49
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	3	0.49
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	3	0.49
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	5	0.49
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	5	0.49
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	5	0.49
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	5	0.49
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	5	0.49
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	5	0.49
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	5	0.49
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	5	0.49
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	5	0.49
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	5	0.49
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	5	0.49
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	5	0.49
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	11	0.49
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	11	0.49
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	11	0.49
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	11	0.49
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	11	0.49
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	11	0.49
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	11	0.49
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	11	0.49
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	11	0.49
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	11	0.49
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	11	0.49
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	11	0.49
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	13	0.49
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	13	0.49
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	13	0.49
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	13	0.49
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	13	0.49
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	13	0.49
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	13	0.49
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	13	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	13	0.49
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	13	0.49
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	13	0.49
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	13	0.49
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	15	0.49
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	15	0.49
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	15	0.49
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	15	0.49
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	15	0.49
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	15	0.49
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	15	0.49
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	15	0.49
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	15	0.49
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	15	0.49
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	15	0.49
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	15	0.49
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	16	0.49
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	16	0.49
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	16	0.49
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	16	0.49
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	16	0.49
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	16	0.49
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	16	0.49
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	16	0.49
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	16	0.49
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	16	0.49
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	16	0.49
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	16	0.49
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	18	0.49
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	18	0.49
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	18	0.49
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	18	0.49
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	18	0.49
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	18	0.49
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	18	0.49
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	18	0.49
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	18	0.49
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	18	0.49
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	18	0.49
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	18	0.49
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	1	0.49
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	1	0.49
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	3	0.49
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	3	0.49
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	3	0.49
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	9	0.49
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	9	0.49
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	9	0.49
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	10	0.49
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	10	0.49
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	10	0.49
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	11	0.49
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	11	0.49
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	11	0.49
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	12	0.49
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	12	0.49
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	12	0.49
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	13	0.49
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	13	0.49
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	13	0.49
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	14	0.49
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	14	0.49
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	14	0.49
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	16	0.49
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	16	0.49
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	16	0.49
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	17	0.49
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	17	0.49
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	17	0.49
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	18	0.49
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	18	0.49
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	18	0.49
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	19	0.49
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	19	0.49
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	19	0.49
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	20	0.49
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	20	0.49
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	20	0.49
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	6	0.49
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	14	0.49
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	4	0.49
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	9	0.49
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	16	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	2	0.49
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	2	0.49
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	8	0.49
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	8	0.49
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	2	0.49
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	2	0.49
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	8	0.49
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	8	0.49
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	5	0.49
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	5	0.49
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	5	0.49
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	5	0.49
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	12	0.49
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	12	0.49
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	12	0.49
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	12	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	3	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	3	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	3	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	6	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	6	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	6	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	7	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	7	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	7	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	9	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	9	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	9	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	10	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	10	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	10	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	14	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	14	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	14	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	17	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	17	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	17	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	19	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	19	0.49
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	19	0.49
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	4	0.48
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	8	0.48
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	11	0.48
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	11	0.48
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	1	0.48
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	1	0.48
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	1	0.48
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	1	0.48
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	1	0.48
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	1	0.48
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	3	0.48
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	3	0.48
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	3	0.48
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	3	0.48
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	3	0.48
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	3	0.48
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	16	0.48
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	16	0.48
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	16	0.48
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	16	0.48
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	16	0.48
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	16	0.48
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	18	0.48
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	18	0.48
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	18	0.48
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	18	0.48
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	18	0.48
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	18	0.48
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	20	0.48
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	20	0.48
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	20	0.48
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	20	0.48
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	20	0.48
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	20	0.48
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	6	0.48
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	13	0.48
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	13	0.48
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	2	0.48
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	2	0.48
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	11	0.48
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	11	0.48
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	13	0.48
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	13	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	15	0.48
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	15	0.48
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	18	0.48
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	18	0.48
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:H	14	0.48
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:H	14	0.48
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:H	14	0.48
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:H	14	0.48
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:H	14	0.48
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:H	14	0.48
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	10	0.48
(1,82)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	10	0.48
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	10	0.48
(1,82)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	10	0.48
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	10	0.48
(1,82)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	10	0.48
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	10	0.48
(1,82)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	10	0.48
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	10	0.48
(1,82)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	10	0.48
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	10	0.48
(1,82)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	10	0.48
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB2	4	0.48
(1,70)	1:4:A:LEU:HD11	1:5:A:SER:HB3	4	0.48
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB2	4	0.48
(1,70)	1:4:A:LEU:HD12	1:5:A:SER:HB3	4	0.48
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB2	4	0.48
(1,70)	1:4:A:LEU:HD13	1:5:A:SER:HB3	4	0.48
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB2	4	0.48
(1,70)	1:4:A:LEU:HD21	1:5:A:SER:HB3	4	0.48
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB2	4	0.48
(1,70)	1:4:A:LEU:HD22	1:5:A:SER:HB3	4	0.48
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB2	4	0.48
(1,70)	1:4:A:LEU:HD23	1:5:A:SER:HB3	4	0.48
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	4	0.48
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	4	0.48
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	4	0.48
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	5	0.48
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	5	0.48
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	5	0.48
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	7	0.48
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	7	0.48
(1,46)	1:3:A:ALA:HB1	1:7:A:PHE:H	15	0.48
(1,46)	1:3:A:ALA:HB2	1:7:A:PHE:H	15	0.48
(1,46)	1:3:A:ALA:HB3	1:7:A:PHE:H	15	0.48
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	1	0.48
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	10	0.48
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	2	0.48
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	2	0.48
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	2	0.48
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	4	0.48
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	4	0.48
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	4	0.48
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	5	0.48
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	5	0.48
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	5	0.48
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	8	0.48
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	8	0.48
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	8	0.48
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	3	0.48
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	13	0.48
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	15	0.48
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	17	0.48
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	19	0.48
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	20	0.48
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	16	0.48
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	16	0.48
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	16	0.48
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	16	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	4	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	4	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	4	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	5	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	5	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	5	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	11	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	11	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	11	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	12	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	12	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	12	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	13	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	13	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	13	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	15	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	15	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	15	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	16	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	16	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	16	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	18	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	18	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	18	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	20	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	20	0.48
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	20	0.48
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	5	0.47
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	4	0.47
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	4	0.47
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	7	0.47
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	7	0.47
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	19	0.47
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	19	0.47
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	2	0.47
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	2	0.47
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	6	0.47
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	6	0.47
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	9	0.47
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	9	0.47
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	10	0.47
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	10	0.47
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG2	15	0.47
(1,388)	1:13:A:LEU:HG	1:16:A:LYS:HG3	15	0.47
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	4	0.47
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	4	0.47
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	4	0.47
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	4	0.47
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	4	0.47
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	4	0.47
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	7	0.47
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	7	0.47
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	7	0.47
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	7	0.47
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	7	0.47
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	12	0.47
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	12	0.47
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	12	0.47
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	12	0.47
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	12	0.47
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	12	0.47
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	13	0.47
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	13	0.47
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	13	0.47
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	13	0.47
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	13	0.47
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	13	0.47
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	17	0.47
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	17	0.47
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	17	0.47
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	17	0.47
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	17	0.47
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	17	0.47
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	19	0.47
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	19	0.47
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	19	0.47
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	19	0.47
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	19	0.47
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	19	0.47
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD2	14	0.47
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD3	14	0.47
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	4	0.47
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	7	0.47
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	13	0.47
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	19	0.47
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	14	0.47
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	14	0.47
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	14	0.47
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	14	0.47
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	14	0.47
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	14	0.47
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	14	0.47
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	14	0.47
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	14	0.47
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	14	0.47
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	14	0.47
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	14	0.47
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	14	0.47
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	1	0.47
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	1	0.47
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	3	0.47
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	3	0.47
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	5	0.47
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	5	0.47
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	6	0.47
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	6	0.47
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	7	0.47
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	7	0.47
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	8	0.47
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	8	0.47
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	9	0.47
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	9	0.47
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	10	0.47
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	10	0.47
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	12	0.47
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	12	0.47
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	16	0.47
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	16	0.47
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	17	0.47
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	17	0.47
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	19	0.47
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	19	0.47
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	20	0.47
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	20	0.47
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	3	0.47
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	7	0.47
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	13	0.47
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	17	0.47
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	19	0.47
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	20	0.47
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	3	0.47
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	3	0.47
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	3	0.47
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	7	0.47
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	7	0.47
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	7	0.47
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	9	0.47
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	9	0.47
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	10	0.47
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	10	0.47
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	10	0.47
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	11	0.47
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	11	0.47
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	11	0.47
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	12	0.47
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	12	0.47
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	12	0.47
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	13	0.47
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	13	0.47
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	13	0.47
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	15	0.47
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	15	0.47
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	15	0.47
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	16	0.47
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	16	0.47
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	16	0.47
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	17	0.47
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	17	0.47
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	17	0.47
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	18	0.47
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	18	0.47
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	18	0.47
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	19	0.47
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	19	0.47
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	19	0.47
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	20	0.47
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	20	0.47
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	20	0.47
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	1	0.47
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	6	0.47
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	7	0.47
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	10	0.47
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	11	0.47
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	11	0.47
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	11	0.47
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	11	0.47
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	3	0.47
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	3	0.47
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	3	0.47
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	9	0.47
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	9	0.47
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	9	0.47
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	9	0.47
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	14	0.47
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	14	0.47
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	14	0.47
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	14	0.47
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	2	0.47
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	2	0.47
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	2	0.47
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB1	8	0.47
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB2	8	0.47
(1,5)	1:2:A:MET:HA	1:3:A:ALA:HB3	8	0.47
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	3	0.46
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	9	0.46
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	12	0.46
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	15	0.46
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	16	0.46
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	19	0.46
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	14	0.46
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	14	0.46
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	6	0.46
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	6	0.46
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	12	0.46
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	12	0.46
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	13	0.46
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	13	0.46
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	17	0.46
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	17	0.46
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	6	0.46
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	6	0.46
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	6	0.46
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	6	0.46
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	6	0.46
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	6	0.46
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	8	0.46
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	8	0.46
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	8	0.46
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	8	0.46
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	8	0.46
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	9	0.46
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	9	0.46
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	9	0.46
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	9	0.46
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	9	0.46
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	9	0.46
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	11	0.46
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	11	0.46
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	11	0.46
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	11	0.46
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	11	0.46
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	11	0.46
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	14	0.46
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	14	0.46
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	14	0.46
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	14	0.46
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	14	0.46
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	14	0.46
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	15	0.46
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	15	0.46
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	15	0.46
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	15	0.46
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	15	0.46
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	15	0.46
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	14	0.46
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	14	0.46
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	14	0.46
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	1	0.46
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	5	0.46
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	12	0.46
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	17	0.46
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	18	0.46
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	20	0.46
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	3	0.46
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	3	0.46
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	3	0.46
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	3	0.46
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	3	0.46
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	3	0.46
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	3	0.46
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	3	0.46
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	3	0.46
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	3	0.46
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	3	0.46
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	16	0.46
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	16	0.46
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	16	0.46
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	16	0.46
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	16	0.46
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	16	0.46
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	16	0.46
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	16	0.46
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	16	0.46
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	16	0.46
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	16	0.46
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	16	0.46
(1,187)	1:7:A:PHE:HB2	1:10:A:ASP:H	4	0.46
(1,187)	1:7:A:PHE:HB3	1:10:A:ASP:H	4	0.46
(1,160)	1:6:A:LYS:HA	1:9:A:ARG:HA	14	0.46
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	14	0.46
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	14	0.46
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	14	0.46
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	14	0.46
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	14	0.46
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	14	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	4	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	4	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	6	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	6	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	7	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	7	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	10	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	10	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	13	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	13	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	15	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	15	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	17	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	17	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	19	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	19	0.46
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	20	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	20	0.46
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	2	0.46
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	8	0.46
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	9	0.46
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	11	0.46
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	12	0.46
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	15	0.46
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	16	0.46
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	18	0.46
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	1	0.46
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	1	0.46
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	1	0.46
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	6	0.46
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	6	0.46
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	6	0.46
(1,38)	1:3:A:ALA:HB1	1:5:A:SER:HA	14	0.46
(1,38)	1:3:A:ALA:HB2	1:5:A:SER:HA	14	0.46
(1,38)	1:3:A:ALA:HB3	1:5:A:SER:HA	14	0.46
(1,32)	1:3:A:ALA:HA	1:4:A:LEU:HG	14	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	1	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	1	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	3	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	3	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	4	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	4	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	5	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	5	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	6	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	6	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	9	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	9	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	10	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	10	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	12	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	12	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	13	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	13	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	14	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	14	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	15	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	15	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	16	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	16	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	17	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	17	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	18	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	18	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	19	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	19	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	20	0.46
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	20	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	1	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	1	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	3	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	3	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	4	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	4	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	5	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	5	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	6	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	6	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	9	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	9	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	10	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	10	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	12	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	12	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	13	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	13	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	14	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	14	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	15	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	15	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	16	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	16	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	17	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	17	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	18	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	18	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	19	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	19	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	20	0.46
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	20	0.46
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	1	0.46
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	1	0.46
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	1	0.46
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	6	0.46
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	6	0.46
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	7	0.46
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	7	0.46
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	10	0.46
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	10	0.46
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	15	0.46
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	15	0.46
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	17	0.46
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	17	0.46
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	19	0.46
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	19	0.46
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	1	0.45
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	2	0.45
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	6	0.45
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	7	0.45
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	8	0.45
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	10	0.45
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	11	0.45
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	17	0.45
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	18	0.45
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	20	0.45
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	1	0.45
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	1	0.45
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	4	0.45
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	4	0.45
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	7	0.45
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	7	0.45
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	10	0.45
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	10	0.45
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	12	0.45
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	12	0.45
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	13	0.45
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	13	0.45
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	15	0.45
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	15	0.45
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	17	0.45
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	17	0.45
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	19	0.45
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	20	0.45
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	20	0.45
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	3	0.45
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	3	0.45
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	16	0.45
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	16	0.45
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	2	0.45
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	2	0.45
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	2	0.45
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	2	0.45
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	2	0.45
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	2	0.45
(1,380)	1:13:A:LEU:HD11	1:14:A:GLN:H	10	0.45
(1,380)	1:13:A:LEU:HD12	1:14:A:GLN:H	10	0.45
(1,380)	1:13:A:LEU:HD13	1:14:A:GLN:H	10	0.45
(1,380)	1:13:A:LEU:HD21	1:14:A:GLN:H	10	0.45
(1,380)	1:13:A:LEU:HD22	1:14:A:GLN:H	10	0.45
(1,380)	1:13:A:LEU:HD23	1:14:A:GLN:H	10	0.45
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	14	0.45
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	14	0.45
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	14	0.45
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	14	0.45
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	14	0.45
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	14	0.45
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	5	0.45
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	5	0.45
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	5	0.45
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	13	0.45
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	13	0.45
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	13	0.45
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	18	0.45
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	18	0.45
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	18	0.45
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	5	0.45
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	5	0.45
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	5	0.45
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	5	0.45
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	5	0.45
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	5	0.45
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	5	0.45
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	5	0.45
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	5	0.45
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	5	0.45
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	5	0.45
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	18	0.45
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	18	0.45
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	18	0.45
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	18	0.45
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	18	0.45
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	18	0.45
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	18	0.45
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	18	0.45
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	18	0.45
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	18	0.45
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	18	0.45
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	18	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	1	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	1	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	2	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	2	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	3	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	3	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	6	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	6	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	7	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	7	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	8	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	8	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	9	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	9	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	10	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	10	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	11	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	11	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	16	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	16	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	17	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	17	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	18	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	18	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	19	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	20	0.45
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	20	0.45
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	4	0.45
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	4	0.45
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	10	0.45
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	10	0.45
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	4	0.45
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	4	0.45
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	4	0.45
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	4	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	1	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	1	0.45
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	1	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	1	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	1	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	1	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	2	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	2	0.45
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	2	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	2	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	2	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	2	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	3	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	3	0.45
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	3	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	3	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	3	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	3	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	4	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	4	0.45
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	4	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	4	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	4	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	4	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	5	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	5	0.45
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	5	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	5	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	5	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	5	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	7	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	7	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	7	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	7	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	7	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	9	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	9	0.45
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	9	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	9	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	9	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	9	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	10	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	10	0.45
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	10	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	10	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	10	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	10	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	11	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	11	0.45
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	11	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	11	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	11	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	11	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	12	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	12	0.45
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	12	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	12	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	12	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	12	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	15	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	15	0.45
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	15	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	15	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	15	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	15	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	16	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	16	0.45
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	16	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	16	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	16	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	16	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	17	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	17	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	17	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	17	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	17	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	18	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	18	0.45
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	18	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	18	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	18	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	18	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	19	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	19	0.45
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	19	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	19	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	19	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	19	0.45
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	20	0.45
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	20	0.45
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	20	0.45
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	20	0.45
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	20	0.45
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	20	0.45
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	1	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	1	0.45
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	1	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	1	0.45
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	1	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	1	0.45
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	2	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	2	0.45
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	2	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	2	0.45
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	2	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	2	0.45
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	3	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	3	0.45
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	3	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	3	0.45
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	3	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	3	0.45
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	4	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	4	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	4	0.45
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	4	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	4	0.45
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	5	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	5	0.45
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	5	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	5	0.45
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	5	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	5	0.45
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	7	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	7	0.45
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	7	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	7	0.45
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	7	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	7	0.45
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	9	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	9	0.45
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	9	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	9	0.45
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	9	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	9	0.45
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	10	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	10	0.45
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	10	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	10	0.45
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	10	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	10	0.45
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	11	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	11	0.45
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	11	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	11	0.45
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	11	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	11	0.45
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	12	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	12	0.45
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	12	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	12	0.45
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	12	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	12	0.45
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	15	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	15	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	15	0.45
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	15	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	15	0.45
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	16	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	16	0.45
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	16	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	16	0.45
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	16	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	16	0.45
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	17	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	17	0.45
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	17	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	17	0.45
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	17	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	17	0.45
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	18	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	18	0.45
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	18	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	18	0.45
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	18	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	18	0.45
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	19	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	19	0.45
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	19	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	19	0.45
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	19	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	19	0.45
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	20	0.45
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	20	0.45
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	20	0.45
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	20	0.45
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	20	0.45
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	20	0.45
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	4	0.45
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	4	0.45
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	4	0.45
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	4	0.45
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	5	0.45
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	5	0.45
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	5	0.45
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	15	0.45
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	15	0.45
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	15	0.45
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	15	0.45
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	1	0.45
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	1	0.45
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	1	0.45
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	1	0.45
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	1	0.45
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	1	0.45
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	2	0.45
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	2	0.45
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	2	0.45
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	2	0.45
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	2	0.45
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	2	0.45
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	8	0.45
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	8	0.45
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	8	0.45
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	8	0.45
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	8	0.45
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	8	0.45
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	9	0.45
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	9	0.45
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	9	0.45
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	9	0.45
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	9	0.45
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	9	0.45
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	12	0.45
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	12	0.45
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	12	0.45
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	12	0.45
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	12	0.45
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	12	0.45
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	18	0.45
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	18	0.45
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	18	0.45
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	18	0.45
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	18	0.45
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	18	0.45
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	1	0.45
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	1	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	3	0.45
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	3	0.45
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	5	0.45
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	5	0.45
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	9	0.45
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	9	0.45
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	11	0.45
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	11	0.45
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	12	0.45
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	12	0.45
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	16	0.45
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	16	0.45
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	18	0.45
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	18	0.45
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	4	0.45
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	4	0.45
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	4	0.45
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB2	7	0.45
(1,29)	1:3:A:ALA:HA	1:4:A:LEU:HB3	7	0.45
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB2	7	0.45
(1,28)	1:3:A:ALA:HA	1:4:A:LEU:HB3	7	0.45
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	1	0.45
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	3	0.45
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	6	0.45
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	7	0.45
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	10	0.45
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	13	0.45
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	14	0.45
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	17	0.45
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	19	0.45
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	20	0.45
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	13	0.45
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	13	0.45
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	20	0.45
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	20	0.45
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	13	0.44
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	19	0.44
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	19	0.44
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	19	0.44
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	19	0.44
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	8	0.44
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	11	0.44
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	11	0.44
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	14	0.44
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	14	0.44
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	20	0.44
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	20	0.44
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	3	0.44
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	3	0.44
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	3	0.44
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	3	0.44
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	3	0.44
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	3	0.44
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	3	0.44
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	3	0.44
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	3	0.44
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	3	0.44
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	3	0.44
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	3	0.44
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	16	0.44
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	16	0.44
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	16	0.44
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	16	0.44
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	16	0.44
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	16	0.44
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	16	0.44
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	16	0.44
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	16	0.44
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	16	0.44
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	16	0.44
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	16	0.44
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	3	0.44
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	3	0.44
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	3	0.44
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	3	0.44
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	3	0.44
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	3	0.44
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	3	0.44
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	3	0.44
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	3	0.44
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	3	0.44
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	3	0.44
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	16	0.44
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	16	0.44
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	16	0.44
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	16	0.44
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	16	0.44
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	16	0.44
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	16	0.44
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	16	0.44
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	16	0.44
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	16	0.44
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	16	0.44
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	16	0.44
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	3	0.44
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	3	0.44
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	16	0.44
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	16	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	1	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	1	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	1	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	2	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	2	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	2	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	3	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	3	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	3	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	4	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	4	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	4	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	6	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	6	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	6	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	7	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	7	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	7	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	8	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	8	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	8	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	9	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	9	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	9	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	10	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	10	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	11	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	11	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	11	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	12	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	12	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	12	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	15	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	15	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	15	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	16	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	16	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	16	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	17	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	17	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	17	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	19	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	19	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	19	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD11	20	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD12	20	0.44
(1,306)	1:11:A:PHE:HA	1:12:A:ILE:HD13	20	0.44
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	2	0.44
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	10	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	1	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	1	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	1	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	1	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	1	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	1	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	1	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	1	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	1	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	1	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	1	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	1	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	2	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	2	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	2	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	2	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	2	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	2	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	2	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	2	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	2	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	2	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	2	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	4	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	4	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	4	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	4	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	4	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	4	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	4	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	4	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	4	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	4	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	4	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	4	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	6	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	6	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	6	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	6	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	6	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	6	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	6	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	6	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	6	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	6	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	6	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	6	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	7	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	7	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	7	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	7	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	7	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	7	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	7	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	7	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	7	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	7	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	7	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	8	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	8	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	8	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	8	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	8	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	8	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	8	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	8	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	8	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	8	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	8	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	8	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	9	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	9	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	9	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	9	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	9	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	9	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	9	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	9	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	9	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	9	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	9	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	9	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	10	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	10	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	10	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	10	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	10	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	10	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	10	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	10	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	10	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	10	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	10	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	10	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	11	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	11	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	11	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	11	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	11	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	11	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	11	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	11	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	11	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	11	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	11	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	12	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	12	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	12	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	12	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	12	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	12	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	12	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	12	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	12	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	12	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	12	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	12	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	15	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	15	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	15	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	15	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	15	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	15	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	15	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	15	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	15	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	15	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	15	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	15	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	17	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	17	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	17	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	17	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	17	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	17	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	17	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	17	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	17	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	17	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	17	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	17	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	19	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	19	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	19	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	19	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	19	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	19	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	19	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	19	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	19	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	19	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	19	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	19	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	20	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	20	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	20	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	20	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	20	0.44
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	20	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	20	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	20	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	20	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	20	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	20	0.44
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	20	0.44
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	4	0.44
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	4	0.44
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	5	0.44
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	5	0.44
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	12	0.44
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	12	0.44
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	13	0.44
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	13	0.44
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	15	0.44
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	15	0.44
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	3	0.44
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	3	0.44
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	5	0.44
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	5	0.44
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	13	0.44
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	13	0.44
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	15	0.44
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	4	0.44
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	4	0.44
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	4	0.44
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	4	0.44
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	5	0.44
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	5	0.44
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	5	0.44
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	5	0.44
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	15	0.44
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	15	0.44
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	15	0.44
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	15	0.44
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	2	0.44
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	2	0.44
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	2	0.44
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	2	0.44
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	5	0.44
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	5	0.44
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	5	0.44
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	5	0.44
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	7	0.44
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	7	0.44
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	7	0.44
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	7	0.44
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	15	0.44
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	15	0.44
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	15	0.44
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	15	0.44
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	19	0.44
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	19	0.44
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	19	0.44
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	19	0.44
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	6	0.44
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	6	0.44
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	6	0.44
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	6	0.44
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	6	0.44
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	6	0.44
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	8	0.44
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	8	0.44
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	8	0.44
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	8	0.44
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	8	0.44
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	13	0.44
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	13	0.44
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	13	0.44
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	13	0.44
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	13	0.44
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	13	0.44
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	6	0.44
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	6	0.44
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	6	0.44
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	6	0.44
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	6	0.44
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	6	0.44
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	8	0.44
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	8	0.44
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	8	0.44
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	8	0.44
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	8	0.44
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	8	0.44
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	13	0.44
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	13	0.44
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	13	0.44
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	13	0.44
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	13	0.44
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	13	0.44
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	3	0.44
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	3	0.44
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	3	0.44
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	3	0.44
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	10	0.44
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	10	0.44
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	10	0.44
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	10	0.44
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	16	0.44
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	16	0.44
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	16	0.44
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	16	0.44
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	3	0.44
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	3	0.44
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	3	0.44
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	3	0.44
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	3	0.44
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	5	0.44
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	5	0.44
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	5	0.44
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	5	0.44
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	5	0.44
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	5	0.44
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	6	0.44
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	6	0.44
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	6	0.44
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	6	0.44
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	6	0.44
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	6	0.44
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	7	0.44
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	7	0.44
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	7	0.44
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	7	0.44
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	7	0.44
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	7	0.44
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	11	0.44
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	11	0.44
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	11	0.44
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	11	0.44
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	11	0.44
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	11	0.44
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	13	0.44
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	13	0.44
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	13	0.44
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	13	0.44
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	13	0.44
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	13	0.44
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	16	0.44
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	16	0.44
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	16	0.44
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	16	0.44
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	16	0.44
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	16	0.44
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	17	0.44
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	17	0.44
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	17	0.44
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	17	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	17	0.44
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	17	0.44
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	19	0.44
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	19	0.44
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	19	0.44
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	19	0.44
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	19	0.44
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	19	0.44
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	2	0.44
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	2	0.44
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	8	0.44
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	8	0.44
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB2	14	0.44
(1,63)	1:4:A:LEU:HA	1:5:A:SER:HB3	14	0.44
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	4	0.44
(1,45)	1:3:A:ALA:HA	1:7:A:PHE:H	5	0.44
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	5	0.44
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	5	0.44
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	5	0.44
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	15	0.44
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	15	0.44
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	15	0.44
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	4	0.44
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	5	0.44
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	9	0.44
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	11	0.44
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	12	0.44
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	15	0.44
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	16	0.44
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	18	0.44
(1,19)	1:2:A:MET:HG2	1:4:A:LEU:HA	4	0.44
(1,19)	1:2:A:MET:HG3	1:4:A:LEU:HA	4	0.44
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	1	0.43
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	1	0.43
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	4	0.43
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	4	0.43
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	7	0.43
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	7	0.43
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	12	0.43
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	12	0.43
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	13	0.43
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	17	0.43
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	17	0.43
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	19	0.43
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	19	0.43
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	20	0.43
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	20	0.43
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	6	0.43
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	8	0.43
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	9	0.43
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	11	0.43
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	15	0.43
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	13	0.43
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	13	0.43
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	14	0.43
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	14	0.43
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	13	0.43
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	13	0.43
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	14	0.43
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	14	0.43
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD11	13	0.43
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD12	13	0.43
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD13	13	0.43
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD21	13	0.43
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD22	13	0.43
(1,227)	1:8:A:PHE:HE1	1:13:A:LEU:HD23	13	0.43
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD11	13	0.43
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD12	13	0.43
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD13	13	0.43
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD21	13	0.43
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD22	13	0.43
(1,227)	1:8:A:PHE:HE2	1:13:A:LEU:HD23	13	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	1	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	1	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	2	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	2	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	3	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	3	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	4	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	4	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	5	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	5	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	6	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	7	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	7	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	8	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	8	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	9	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	9	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	10	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	10	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	11	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	11	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	12	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	12	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	13	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	13	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	14	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	14	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	15	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	15	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	16	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	16	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	17	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	17	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	18	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	18	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	19	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	19	0.43
(1,196)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	20	0.43
(1,196)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	20	0.43
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	14	0.43
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB2	14	0.43
(1,174)	1:7:A:PHE:HA	1:8:A:PHE:HB3	14	0.43
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	6	0.43
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	6	0.43
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	7	0.43
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	7	0.43
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	14	0.43
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	14	0.43
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	16	0.43
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	16	0.43
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	17	0.43
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	19	0.43
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	19	0.43
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	20	0.43
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	20	0.43
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	3	0.43
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	3	0.43
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	3	0.43
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	3	0.43
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	7	0.43
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	7	0.43
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	7	0.43
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	7	0.43
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	10	0.43
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	10	0.43
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	10	0.43
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	10	0.43
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	13	0.43
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	13	0.43
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	13	0.43
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	13	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	3	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	3	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	3	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	3	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	6	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	6	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	6	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	6	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	8	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	8	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	8	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	8	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	9	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	9	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	9	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	9	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	10	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	10	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	10	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	10	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	11	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	11	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	11	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	11	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	12	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	12	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	12	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	12	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	13	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	13	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	13	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	13	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	14	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	14	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	14	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	14	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	16	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	16	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	16	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	16	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	17	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	17	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	17	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	17	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	18	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	18	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	18	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	18	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	20	0.43
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	20	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	20	0.43
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	20	0.43
(1,107)	1:4:A:LEU:HD11	1:8:A:PHE:H	14	0.43
(1,107)	1:4:A:LEU:HD12	1:8:A:PHE:H	14	0.43
(1,107)	1:4:A:LEU:HD13	1:8:A:PHE:H	14	0.43
(1,107)	1:4:A:LEU:HD21	1:8:A:PHE:H	14	0.43
(1,107)	1:4:A:LEU:HD22	1:8:A:PHE:H	14	0.43
(1,107)	1:4:A:LEU:HD23	1:8:A:PHE:H	14	0.43
(1,103)	1:4:A:LEU:HD11	1:8:A:PHE:H	14	0.43
(1,103)	1:4:A:LEU:HD12	1:8:A:PHE:H	14	0.43
(1,103)	1:4:A:LEU:HD13	1:8:A:PHE:H	14	0.43
(1,103)	1:4:A:LEU:HD21	1:8:A:PHE:H	14	0.43
(1,103)	1:4:A:LEU:HD22	1:8:A:PHE:H	14	0.43
(1,103)	1:4:A:LEU:HD23	1:8:A:PHE:H	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	7	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	7	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	7	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	7	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	9	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	9	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	9	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	9	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	11	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	11	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	11	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	11	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	12	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	12	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	12	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	12	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	13	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	13	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	13	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	13	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	18	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	18	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	18	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	18	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	19	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	19	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	19	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	19	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	20	0.43
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	20	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	20	0.43
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	20	0.43
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	10	0.43
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	10	0.43
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	10	0.43
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	10	0.43
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	10	0.43
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	10	0.43
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	15	0.43
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	15	0.43
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	15	0.43
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	15	0.43
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	15	0.43
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	20	0.43
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	20	0.43
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	20	0.43
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	20	0.43
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	20	0.43
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	20	0.43
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	2	0.43
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	2	0.43
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	2	0.43
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	3	0.43
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	3	0.43
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	3	0.43
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	6	0.43
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	6	0.43
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	6	0.43
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	7	0.43
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	7	0.43
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	7	0.43
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	8	0.43
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	8	0.43
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	8	0.43
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	9	0.43
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	9	0.43
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	9	0.43
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	10	0.43
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	10	0.43
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	10	0.43
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	11	0.43
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	11	0.43
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	11	0.43
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	12	0.43
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	12	0.43
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	12	0.43
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	13	0.43
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	13	0.43
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	13	0.43
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	16	0.43
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	16	0.43
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	16	0.43
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	17	0.43
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	17	0.43
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	18	0.43
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	18	0.43
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	18	0.43
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	19	0.43
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	19	0.43
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	19	0.43
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	20	0.43
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	20	0.43
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	20	0.43
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	2	0.43
(1,27)	1:3:A:ALA:HA	1:4:A:LEU:HA	8	0.43
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	4	0.42
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	4	0.42
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	4	0.42
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	4	0.42
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	20	0.42
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	20	0.42
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	20	0.42
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	20	0.42
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	2	0.42
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	2	0.42
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	9	0.42
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	9	0.42
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	5	0.42
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	5	0.42
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	6	0.42
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	6	0.42
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	8	0.42
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	8	0.42
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	10	0.42
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	10	0.42
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	11	0.42
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	11	0.42
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	15	0.42
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	15	0.42
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	18	0.42
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	18	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	1	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	1	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	3	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	4	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	4	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	5	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	5	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	8	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	8	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	9	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	9	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	10	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	10	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	11	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	11	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	12	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	12	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	13	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	13	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	14	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	14	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	15	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	15	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	16	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	16	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	17	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	17	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	18	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	18	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	19	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	19	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	20	0.42
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	20	0.42
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	3	0.42
(1,289)	1:10:A:ASP:H	1:12:A:ILE:H	16	0.42
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	1	0.42
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	4	0.42
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	7	0.42
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	12	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	1	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	2	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	3	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	5	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	7	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	8	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	9	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	11	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	12	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	13	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	15	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	16	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	17	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	18	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	19	0.42
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	20	0.42
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	1	0.42
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	1	0.42
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	2	0.42
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	2	0.42
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	8	0.42
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	8	0.42
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	9	0.42
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	9	0.42
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	11	0.42
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	11	0.42
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	12	0.42
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	12	0.42
(1,151)	1:6:A:LYS:HB2	1:7:A:PHE:HA	18	0.42
(1,151)	1:6:A:LYS:HB3	1:7:A:PHE:HA	18	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	1	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	1	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	1	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	1	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	2	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	2	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	2	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	2	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	6	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	6	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	6	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	6	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	8	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	8	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	8	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	9	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	9	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	9	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	9	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	11	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	11	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	11	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	11	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	12	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	12	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	12	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	12	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	16	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	16	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	16	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	16	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	17	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	17	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	17	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	17	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	18	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	18	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	18	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	18	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	19	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	19	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	19	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	19	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	20	0.42
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	20	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	20	0.42
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	20	0.42
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB2	1	0.42
(1,125)	1:5:A:SER:HB2	1:8:A:PHE:HB3	1	0.42
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB2	1	0.42
(1,125)	1:5:A:SER:HB3	1:8:A:PHE:HB3	1	0.42
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	1	0.42
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	1	0.42
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	1	0.42
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	1	0.42
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	2	0.42
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	2	0.42
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	2	0.42
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	6	0.42
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	6	0.42
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	6	0.42
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	6	0.42
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	8	0.42
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	8	0.42
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	8	0.42
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	8	0.42
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	17	0.42
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	17	0.42
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	17	0.42
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	17	0.42
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	13	0.42
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	13	0.42
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	14	0.42
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	14	0.42
(1,69)	1:4:A:LEU:HD11	1:5:A:SER:HA	4	0.42
(1,69)	1:4:A:LEU:HD12	1:5:A:SER:HA	4	0.42
(1,69)	1:4:A:LEU:HD13	1:5:A:SER:HA	4	0.42
(1,69)	1:4:A:LEU:HD21	1:5:A:SER:HA	4	0.42
(1,69)	1:4:A:LEU:HD22	1:5:A:SER:HA	4	0.42
(1,69)	1:4:A:LEU:HD23	1:5:A:SER:HA	4	0.42
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	1	0.42
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	1	0.42
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	1	0.42
(1,40)	1:3:A:ALA:HB1	1:5:A:SER:H	14	0.42
(1,40)	1:3:A:ALA:HB2	1:5:A:SER:H	14	0.42
(1,40)	1:3:A:ALA:HB3	1:5:A:SER:H	14	0.42
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	6	0.41
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	6	0.41
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	8	0.41
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	8	0.41
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	10	0.41
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	10	0.41
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	15	0.41
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	15	0.41
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	7	0.41
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	7	0.41
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	7	0.41
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	13	0.41
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	13	0.41
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	13	0.41
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	13	0.41
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	5	0.41
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	5	0.41
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD2	2	0.41
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD3	2	0.41
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD2	9	0.41
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD3	9	0.41
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	2	0.41
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	2	0.41
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	9	0.41
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	9	0.41
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	3	0.41
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	3	0.41
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	3	0.41
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	3	0.41
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	3	0.41
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	3	0.41
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	5	0.41
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	5	0.41
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	5	0.41
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	5	0.41
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	5	0.41
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	5	0.41
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	16	0.41
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	16	0.41
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	16	0.41
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	16	0.41
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	16	0.41
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	16	0.41
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	2	0.41
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	2	0.41
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	6	0.41
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	6	0.41
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE1	7	0.41
(1,299)	1:11:A:PHE:HA	1:11:A:PHE:HE2	7	0.41
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	5	0.41
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	17	0.41
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	18	0.41
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	19	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	20	0.41
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	4	0.41
(1,181)	1:7:A:PHE:H	1:8:A:PHE:HA	10	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	1	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	1	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	1	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	1	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	2	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	2	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	2	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	2	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	3	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	3	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	3	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	3	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	4	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	4	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	4	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	4	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	5	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	5	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	5	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	5	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	6	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	6	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	6	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	6	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	7	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	7	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	7	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	7	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	8	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	8	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	8	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	8	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	9	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	9	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	9	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	9	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	10	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	10	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	10	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	11	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	11	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	11	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	11	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	12	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	12	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	12	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	12	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	13	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	13	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	13	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	13	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	14	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	14	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	14	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	14	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	15	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	15	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	15	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	15	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	16	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	16	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	16	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	16	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	17	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	17	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	17	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	17	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	18	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	18	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	18	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	18	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	19	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	19	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	19	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	19	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	20	0.41
(1,171)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	20	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	20	0.41
(1,171)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	20	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	1	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	1	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	1	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	2	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	2	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	2	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	2	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	3	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	3	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	3	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	3	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	4	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	4	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	4	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	4	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	5	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	5	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	5	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	5	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	6	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	6	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	6	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	6	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	7	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	7	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	7	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	7	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	8	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	8	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	8	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	8	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	9	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	9	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	9	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	9	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	10	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	10	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	10	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	10	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	11	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	11	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	11	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	12	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	12	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	12	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	12	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	13	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	13	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	13	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	13	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	14	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	14	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	14	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	14	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	15	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	15	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	15	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	15	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	16	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	16	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	16	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	16	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	17	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	17	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	17	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	17	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	18	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	18	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	18	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	18	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	19	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	19	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	19	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	19	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	20	0.41
(1,169)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	20	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	20	0.41
(1,169)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	20	0.41
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB2	14	0.41
(1,149)	1:6:A:LYS:HB2	1:7:A:PHE:HB3	14	0.41
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB2	14	0.41
(1,149)	1:6:A:LYS:HB3	1:7:A:PHE:HB3	14	0.41
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB2	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:4:A:LEU:HB2	1:6:A:LYS:HB3	14	0.41
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB2	14	0.41
(1,80)	1:4:A:LEU:HB3	1:6:A:LYS:HB3	14	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	1	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	1	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	2	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	2	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	3	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	3	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	4	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	4	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	5	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	5	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	6	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	6	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	7	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	7	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	8	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	8	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	9	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	9	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	10	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	10	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	11	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	11	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	12	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	12	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	15	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	15	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	16	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	16	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	17	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	17	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	18	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	18	0.41
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	20	0.41
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	20	0.41
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	2	0.41
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	2	0.41
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	2	0.41
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	2	0.41
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	2	0.41
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	8	0.41
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	8	0.41
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	8	0.41
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	8	0.41
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	8	0.41
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	8	0.41
(3,1)	1:5:A:SER:O	1:9:A:ARG:H	14	0.4
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	2	0.4
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	2	0.4
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	1	0.4
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	1	0.4
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	1	0.4
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	1	0.4
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	12	0.4
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	12	0.4
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	12	0.4
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	12	0.4
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB2	17	0.4
(1,438)	1:15:A:ARG:HD2	1:17:A:LYS:HB3	17	0.4
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB2	17	0.4
(1,438)	1:15:A:ARG:HD3	1:17:A:LYS:HB3	17	0.4
(1,421)	1:15:A:ARG:HD2	1:15:A:ARG:H	18	0.4
(1,421)	1:15:A:ARG:HD3	1:15:A:ARG:H	18	0.4
(1,318)	1:11:A:PHE:HE1	1:12:A:ILE:H	14	0.4
(1,318)	1:11:A:PHE:HE2	1:12:A:ILE:H	14	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	8	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	8	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	8	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	8	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	8	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	8	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	9	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	9	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	9	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	9	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	9	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	9	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	10	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	10	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	10	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	10	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	10	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	12	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	12	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	12	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	12	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	12	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	12	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	13	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	13	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	13	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	13	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	13	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	13	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	15	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	15	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	15	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	15	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	15	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	15	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	18	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	18	0.4
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	18	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	18	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	18	0.4
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	18	0.4
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	3	0.4
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	3	0.4
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	5	0.4
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	5	0.4
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	16	0.4
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	16	0.4
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	19	0.4
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	19	0.4
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	3	0.4
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	3	0.4
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	5	0.4
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	5	0.4
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	16	0.4
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	16	0.4
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	19	0.4
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	3	0.4
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	16	0.4
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	1	0.4
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	1	0.4
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	2	0.4
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	2	0.4
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	3	0.4
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	3	0.4
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	5	0.4
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	5	0.4
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	6	0.4
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	6	0.4
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	8	0.4
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	8	0.4
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	9	0.4
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	9	0.4
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	11	0.4
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	11	0.4
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	15	0.4
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	15	0.4
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	16	0.4
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	16	0.4
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	17	0.4
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	17	0.4
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	18	0.4
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	18	0.4
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	19	0.4
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	19	0.4
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	20	0.4
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	20	0.4
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	14	0.4
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	14	0.4
(1,79)	1:4:A:LEU:HB2	1:6:A:LYS:HA	19	0.4
(1,79)	1:4:A:LEU:HB3	1:6:A:LYS:HA	19	0.4
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	4	0.4
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	4	0.4
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	4	0.4
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	4	0.4
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	4	0.4
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	4	0.4
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	5	0.4
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	5	0.4
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	5	0.4
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	5	0.4
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	5	0.4
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	16	0.4
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	16	0.4
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	16	0.4
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	16	0.4
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	16	0.4
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	16	0.4
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	9	0.39
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	9	0.39
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD2	11	0.39
(1,449)	1:16:A:LYS:HA	1:17:A:LYS:HD3	11	0.39
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	2	0.39
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	2	0.39
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	2	0.39
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	2	0.39
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	2	0.39
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	2	0.39
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	2	0.39
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	2	0.39
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	2	0.39
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	2	0.39
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	2	0.39
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	2	0.39
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	2	0.39
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	2	0.39
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	2	0.39
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	2	0.39
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	2	0.39
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	2	0.39
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	2	0.39
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	2	0.39
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	2	0.39
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	2	0.39
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	2	0.39
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	2	0.39
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	5	0.39
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	5	0.39
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	5	0.39
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	5	0.39
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	5	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	1	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	1	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	1	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	1	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	1	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	1	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	2	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	2	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	2	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	2	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	2	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	2	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	4	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	4	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	4	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	4	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	4	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	4	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	6	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	6	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	6	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	6	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	6	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	6	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	7	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	7	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	7	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	7	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	7	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	7	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	11	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	11	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	11	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	11	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	11	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	11	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	17	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	17	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	17	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	17	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	17	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	17	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	19	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	19	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	19	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	19	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	19	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	19	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD11	20	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD12	20	0.39
(1,309)	1:11:A:PHE:HB2	1:12:A:ILE:HD13	20	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD11	20	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD12	20	0.39
(1,309)	1:11:A:PHE:HB3	1:12:A:ILE:HD13	20	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	1	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	1	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	2	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	2	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	4	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	4	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	6	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	6	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	7	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	7	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	8	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	8	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	9	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	9	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	10	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	10	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	11	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	11	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	12	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	12	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	13	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	13	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	14	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	14	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	15	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	15	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	17	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	17	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	18	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	18	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB2	20	0.39
(1,286)	1:10:A:ASP:H	1:11:A:PHE:HB3	20	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	1	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	1	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	2	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	2	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	4	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	4	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	6	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	6	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	7	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	7	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	8	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	8	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	9	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	9	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	10	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	10	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	11	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	11	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	12	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	12	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	13	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	13	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	14	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	14	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	15	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	15	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	17	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	17	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	18	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	18	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB2	20	0.39
(1,285)	1:10:A:ASP:H	1:11:A:PHE:HB3	20	0.39
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	14	0.39
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	4	0.39
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	4	0.39
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	7	0.39
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	7	0.39
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	10	0.39
(1,253)	1:9:A:ARG:HB2	1:10:A:ASP:HA	12	0.39
(1,253)	1:9:A:ARG:HB3	1:10:A:ASP:HA	12	0.39
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	4	0.39
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	4	0.39
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	10	0.39
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	10	0.39
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	9	0.39
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	9	0.39
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	9	0.39
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	9	0.39
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	9	0.39
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	9	0.39
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	11	0.39
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	11	0.39
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	11	0.39
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	11	0.39
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	11	0.39
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	11	0.39
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	12	0.39
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	12	0.39
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	12	0.39
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	12	0.39
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	12	0.39
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	12	0.39
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	13	0.39
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	13	0.39
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	13	0.39
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	13	0.39
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	13	0.39
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	13	0.39
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	15	0.39
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	15	0.39
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	15	0.39
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	15	0.39
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	15	0.39
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	15	0.39
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	18	0.39
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	18	0.39
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	18	0.39
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	18	0.39
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	18	0.39
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	20	0.39
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	20	0.39
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	20	0.39
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	20	0.39
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	20	0.39
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	20	0.39
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	5	0.38
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	5	0.38
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	5	0.38
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	18	0.38
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	18	0.38
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	18	0.38
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	4	0.38
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	4	0.38
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	4	0.38
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	4	0.38
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	4	0.38
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	4	0.38
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	4	0.38
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	4	0.38
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	4	0.38
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	4	0.38
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	4	0.38
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	4	0.38
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	6	0.38
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	6	0.38
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	6	0.38
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	6	0.38
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	6	0.38
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	6	0.38
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	6	0.38
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	6	0.38
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	6	0.38
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	6	0.38
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	6	0.38
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	6	0.38
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	7	0.38
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	7	0.38
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	7	0.38
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	7	0.38
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	7	0.38
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	7	0.38
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	7	0.38
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	7	0.38
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	7	0.38
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	7	0.38
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	7	0.38
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	9	0.38
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	9	0.38
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	9	0.38
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	9	0.38
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	9	0.38
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	9	0.38
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	9	0.38
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	9	0.38
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	9	0.38
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	9	0.38
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	9	0.38
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	9	0.38
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	4	0.38
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	4	0.38
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	4	0.38
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	4	0.38
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	4	0.38
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	4	0.38
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	4	0.38
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	4	0.38
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	4	0.38
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	4	0.38
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	4	0.38
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	4	0.38
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	6	0.38
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	6	0.38
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	6	0.38
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	6	0.38
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	6	0.38
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	6	0.38
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	6	0.38
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	6	0.38
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	6	0.38
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	6	0.38
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	6	0.38
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	7	0.38
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	7	0.38
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	7	0.38
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	7	0.38
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	7	0.38
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	7	0.38
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	7	0.38
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	7	0.38
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	7	0.38
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	7	0.38
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	7	0.38
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	7	0.38
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	9	0.38
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	9	0.38
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	9	0.38
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	9	0.38
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	9	0.38
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	9	0.38
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	9	0.38
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	9	0.38
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	9	0.38
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	9	0.38
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	9	0.38
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	9	0.38
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	1	0.38
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	1	0.38
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	1	0.38
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	1	0.38
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	1	0.38
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	1	0.38
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	3	0.38
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	3	0.38
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	3	0.38
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	3	0.38
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	3	0.38
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	3	0.38
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	16	0.38
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	16	0.38
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	16	0.38
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	16	0.38
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	16	0.38
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	18	0.38
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	18	0.38
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	18	0.38
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	18	0.38
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	18	0.38
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	18	0.38
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	20	0.38
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	20	0.38
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	20	0.38
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	20	0.38
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	20	0.38
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	20	0.38
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	1	0.38
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	1	0.38
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	2	0.38
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	2	0.38
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	3	0.38
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	3	0.38
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	5	0.38
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	5	0.38
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	6	0.38
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	6	0.38
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	8	0.38
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	8	0.38
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	11	0.38
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	11	0.38
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	13	0.38
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	13	0.38
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	15	0.38
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	15	0.38
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	17	0.38
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	17	0.38
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	18	0.38
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	18	0.38
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	19	0.38
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	19	0.38
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	20	0.38
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	20	0.38
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	1	0.38
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	1	0.38
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	1	0.38
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	1	0.38
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	1	0.38
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	3	0.38
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	3	0.38
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	3	0.38
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	3	0.38
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	3	0.38
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	3	0.38
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	6	0.38
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	6	0.38
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	6	0.38
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	6	0.38
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	6	0.38
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	6	0.38
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	7	0.38
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	7	0.38
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	7	0.38
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	7	0.38
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	7	0.38
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	7	0.38
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	10	0.38
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	10	0.38
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	10	0.38
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	10	0.38
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	10	0.38
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	10	0.38
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	17	0.38
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	17	0.38
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	17	0.38
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	17	0.38
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	17	0.38
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	17	0.38
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	19	0.38
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	19	0.38
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	19	0.38
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	19	0.38
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	19	0.38
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	19	0.38
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	9	0.37
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	9	0.37
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	14	0.37
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	14	0.37
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	14	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	1	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	1	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	1	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	1	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	1	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	1	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	1	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	1	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	1	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	1	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	1	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	1	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	8	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	8	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	8	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	8	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	8	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	8	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	8	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	8	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	8	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	8	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	8	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	8	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	10	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	10	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	10	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	10	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	10	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	10	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	10	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	10	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	10	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	10	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	10	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	10	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	11	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	11	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	11	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	11	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	11	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	11	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	11	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	11	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	11	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	11	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	11	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	12	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	12	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	12	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	12	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	12	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	12	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	12	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	12	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	12	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	12	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	12	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	12	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	13	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	13	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	13	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	13	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	13	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	13	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	13	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	13	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	13	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	13	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	13	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	13	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	15	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	15	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	15	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	15	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	15	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	15	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	15	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	15	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	15	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	15	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	15	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	17	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	17	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	17	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	17	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	17	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	17	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	17	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	17	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	17	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	17	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	17	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	17	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	19	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	19	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	19	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	19	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	19	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	19	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	19	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	19	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	19	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	19	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	19	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	19	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	20	0.37
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	20	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	20	0.37
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	20	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	20	0.37
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	20	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	20	0.37
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	20	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	20	0.37
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	20	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	20	0.37
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	20	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	1	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	1	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	1	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	1	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	1	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	1	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	1	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	1	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	1	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	1	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	1	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	8	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	8	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	8	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	8	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	8	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	8	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	8	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	8	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	8	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	8	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	8	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	8	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	10	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	10	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	10	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	10	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	10	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	10	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	10	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	10	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	10	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	10	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	10	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	10	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	11	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	11	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	11	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	11	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	11	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	11	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	11	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	11	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	11	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	11	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	11	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	12	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	12	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	12	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	12	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	12	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	12	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	12	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	12	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	12	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	12	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	12	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	12	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	13	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	13	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	13	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	13	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	13	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	13	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	13	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	13	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	13	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	13	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	13	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	13	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	15	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	15	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	15	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	15	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	15	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	15	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	15	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	15	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	15	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	15	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	15	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	15	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	17	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	17	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	17	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	17	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	17	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	17	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	17	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	17	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	17	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	17	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	17	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	19	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	19	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	19	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	19	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	19	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	19	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	19	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	19	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	19	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	19	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	19	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	19	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	20	0.37
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	20	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	20	0.37
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	20	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	20	0.37
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	20	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	20	0.37
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	20	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	20	0.37
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	20	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	20	0.37
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	20	0.37
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	4	0.37
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	4	0.37
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	4	0.37
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	4	0.37
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	4	0.37
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	4	0.37
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	7	0.37
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	7	0.37
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	7	0.37
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	7	0.37
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	7	0.37
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	12	0.37
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	12	0.37
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	12	0.37
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	12	0.37
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	12	0.37
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	12	0.37
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	13	0.37
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	13	0.37
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	13	0.37
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	13	0.37
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	13	0.37
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	13	0.37
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	17	0.37
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	17	0.37
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	17	0.37
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	17	0.37
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	17	0.37
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	17	0.37
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	19	0.37
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	19	0.37
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	19	0.37
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	19	0.37
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	19	0.37
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	19	0.37
(1,267)	1:9:A:ARG:HA	1:13:A:LEU:H	13	0.37
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	7	0.37
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	7	0.37
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	9	0.37
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	9	0.37
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	12	0.37
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	12	0.37
(1,173)	1:7:A:PHE:HE1	1:7:A:PHE:H	16	0.37
(1,173)	1:7:A:PHE:HE2	1:7:A:PHE:H	16	0.37
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB2	14	0.37
(1,39)	1:3:A:ALA:HB1	1:5:A:SER:HB3	14	0.37
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB2	14	0.37
(1,39)	1:3:A:ALA:HB2	1:5:A:SER:HB3	14	0.37
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB2	14	0.37
(1,39)	1:3:A:ALA:HB3	1:5:A:SER:HB3	14	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	2	0.36
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	2	0.36
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	2	0.36
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	3	0.36
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	3	0.36
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	3	0.36
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	13	0.36
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	13	0.36
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	13	0.36
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	2	0.36
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	2	0.36
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	6	0.36
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	6	0.36
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	6	0.36
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	6	0.36
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	14	0.36
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	14	0.36
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	14	0.36
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	14	0.36
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	14	0.36
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	14	0.36
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	14	0.36
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	14	0.36
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	14	0.36
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	14	0.36
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	14	0.36
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	14	0.36
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	14	0.36
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	14	0.36
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	14	0.36
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	14	0.36
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	14	0.36
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	14	0.36
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	14	0.36
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	14	0.36
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	14	0.36
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	14	0.36
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	14	0.36
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	14	0.36
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	6	0.36
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	6	0.36
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	6	0.36
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	6	0.36
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	6	0.36
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	8	0.36
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	8	0.36
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	8	0.36
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	8	0.36
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	8	0.36
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	8	0.36
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	9	0.36
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	9	0.36
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	9	0.36
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	9	0.36
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	9	0.36
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	9	0.36
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	11	0.36
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	11	0.36
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	11	0.36
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	11	0.36
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	11	0.36
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	11	0.36
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	14	0.36
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	14	0.36
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	14	0.36
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	14	0.36
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	14	0.36
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	14	0.36
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	15	0.36
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	15	0.36
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	15	0.36
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	15	0.36
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	15	0.36
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	15	0.36
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	13	0.36
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	13	0.36
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	13	0.36
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	13	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	1	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	1	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	1	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	1	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	2	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	2	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	2	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	3	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	3	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	3	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	3	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	4	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	4	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	4	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	4	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	5	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	5	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	5	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	5	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	6	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	6	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	6	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	6	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	7	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	7	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	7	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	7	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	8	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	8	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	8	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	8	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	9	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	9	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	9	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	9	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	10	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	10	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	10	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	10	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	11	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	11	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	11	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	11	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	12	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	12	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	12	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	13	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	13	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	13	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	13	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	14	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	14	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	14	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	14	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	15	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	15	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	15	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	15	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	16	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	16	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	16	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	16	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	17	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	17	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	17	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	17	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	18	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	18	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	18	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	18	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	19	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	19	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	19	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	19	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE1	20	0.36
(1,194)	1:8:A:PHE:HB2	1:8:A:PHE:HE2	20	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE1	20	0.36
(1,194)	1:8:A:PHE:HB3	1:8:A:PHE:HE2	20	0.36
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	1	0.35
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	1	0.35
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	1	0.35
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	6	0.35
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	6	0.35
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	6	0.35
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	7	0.35
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	7	0.35
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	8	0.35
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	8	0.35
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	8	0.35
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	10	0.35
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	10	0.35
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	10	0.35
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	11	0.35
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	11	0.35
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	11	0.35
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	16	0.35
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	16	0.35
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	16	0.35
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	17	0.35
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	17	0.35
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	17	0.35
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	19	0.35
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	19	0.35
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	19	0.35
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	20	0.35
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	20	0.35
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	20	0.35
(1,453)	1:16:A:LYS:HG2	1:17:A:LYS:H	9	0.35
(1,453)	1:16:A:LYS:HG3	1:17:A:LYS:H	9	0.35
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	3	0.35
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	16	0.35
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	5	0.35
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	5	0.35
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	5	0.35
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	5	0.35
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	5	0.35
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	5	0.35
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	5	0.35
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	5	0.35
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	5	0.35
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	5	0.35
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	5	0.35
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	5	0.35
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	18	0.35
(1,385)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	18	0.35
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	18	0.35
(1,385)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	18	0.35
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	18	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	18	0.35
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	18	0.35
(1,385)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	18	0.35
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	18	0.35
(1,385)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	18	0.35
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	18	0.35
(1,385)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	18	0.35
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	5	0.35
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	5	0.35
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	5	0.35
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	5	0.35
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	5	0.35
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	5	0.35
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	5	0.35
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	5	0.35
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	5	0.35
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	5	0.35
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	5	0.35
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	5	0.35
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB2	18	0.35
(1,383)	1:13:A:LEU:HD11	1:15:A:ARG:HB3	18	0.35
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB2	18	0.35
(1,383)	1:13:A:LEU:HD12	1:15:A:ARG:HB3	18	0.35
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB2	18	0.35
(1,383)	1:13:A:LEU:HD13	1:15:A:ARG:HB3	18	0.35
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB2	18	0.35
(1,383)	1:13:A:LEU:HD21	1:15:A:ARG:HB3	18	0.35
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB2	18	0.35
(1,383)	1:13:A:LEU:HD22	1:15:A:ARG:HB3	18	0.35
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB2	18	0.35
(1,383)	1:13:A:LEU:HD23	1:15:A:ARG:HB3	18	0.35
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	2	0.35
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	2	0.35
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	2	0.35
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	2	0.35
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	2	0.35
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	2	0.35
(1,379)	1:13:A:LEU:HD11	1:14:A:GLN:H	10	0.35
(1,379)	1:13:A:LEU:HD12	1:14:A:GLN:H	10	0.35
(1,379)	1:13:A:LEU:HD13	1:14:A:GLN:H	10	0.35
(1,379)	1:13:A:LEU:HD21	1:14:A:GLN:H	10	0.35
(1,379)	1:13:A:LEU:HD22	1:14:A:GLN:H	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:13:A:LEU:HD23	1:14:A:GLN:H	10	0.35
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	5	0.35
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	14	0.35
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	18	0.35
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	1	0.35
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	1	0.35
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	2	0.35
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	2	0.35
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	3	0.35
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	3	0.35
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	6	0.35
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	6	0.35
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	13	0.35
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	13	0.35
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	16	0.35
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	16	0.35
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	17	0.35
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	17	0.35
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	18	0.35
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	18	0.35
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	20	0.35
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	20	0.35
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	14	0.35
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	14	0.35
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	14	0.35
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	14	0.35
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	13	0.35
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	13	0.35
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	1	0.35
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	2	0.35
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	6	0.35
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	8	0.35
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	9	0.35
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	12	0.35
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	13	0.35
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	14	0.35
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	17	0.35
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	18	0.35
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	19	0.35
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	20	0.35
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	14	0.35
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	2	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	2	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	2	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	2	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	4	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	4	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	4	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	4	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	6	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	6	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	6	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	6	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	7	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	7	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	7	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	7	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	8	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	8	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	8	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	8	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	10	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	10	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	10	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	10	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	13	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	13	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	13	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	13	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	17	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	17	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	17	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	17	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	19	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	19	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	19	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	19	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	20	0.35
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	20	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	20	0.35
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	20	0.35
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	1	0.35
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	1	0.35
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	3	0.35
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	3	0.35
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	3	0.35
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	6	0.35
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	6	0.35
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	6	0.35
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	7	0.35
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	7	0.35
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	7	0.35
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	9	0.35
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	9	0.35
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	9	0.35
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	10	0.35
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	10	0.35
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	10	0.35
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	13	0.35
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	13	0.35
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	13	0.35
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	17	0.35
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	17	0.35
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	17	0.35
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	19	0.35
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	19	0.35
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	19	0.35
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	20	0.35
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	20	0.35
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	20	0.35
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	14	0.35
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	14	0.35
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	2	0.35
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	2	0.35
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	2	0.35
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	2	0.35
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	2	0.35
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	2	0.35
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB1	8	0.35
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB2	8	0.35
(1,8)	1:2:A:MET:HB2	1:3:A:ALA:HB3	8	0.35
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB1	8	0.35
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB2	8	0.35
(1,8)	1:2:A:MET:HB3	1:3:A:ALA:HB3	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	14	0.35
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	14	0.35
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	4	0.34
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	4	0.34
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	4	0.34
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	12	0.34
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	12	0.34
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	12	0.34
(2,10)	1:12:A:ILE:HD11	1:13:A:LEU:HG	15	0.34
(2,10)	1:12:A:ILE:HD12	1:13:A:LEU:HG	15	0.34
(2,10)	1:12:A:ILE:HD13	1:13:A:LEU:HG	15	0.34
(1,451)	1:16:A:LYS:HB2	1:17:A:LYS:H	5	0.34
(1,451)	1:16:A:LYS:HB3	1:17:A:LYS:H	5	0.34
(1,451)	1:16:A:LYS:HB2	1:17:A:LYS:H	18	0.34
(1,451)	1:16:A:LYS:HB3	1:17:A:LYS:H	18	0.34
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD2	8	0.34
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD3	8	0.34
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD2	11	0.34
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD3	11	0.34
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD2	18	0.34
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD3	18	0.34
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	2	0.34
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	13	0.34
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	13	0.34
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	13	0.34
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	4	0.34
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	4	0.34
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	5	0.34
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	5	0.34
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	7	0.34
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	7	0.34
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	8	0.34
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	8	0.34
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	9	0.34
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	9	0.34
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	10	0.34
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	10	0.34
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	11	0.34
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	11	0.34
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	12	0.34
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	12	0.34
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	14	0.34
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	15	0.34
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	15	0.34
(1,280)	1:10:A:ASP:HB2	1:11:A:PHE:HA	19	0.34
(1,280)	1:10:A:ASP:HB3	1:11:A:PHE:HA	19	0.34
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	16	0.34
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	6	0.34
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	10	0.34
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	1	0.34
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	1	0.34
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	13	0.34
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	13	0.34
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	20	0.34
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	20	0.34
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	3	0.34
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	4	0.34
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	5	0.34
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	7	0.34
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	10	0.34
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	11	0.34
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	15	0.34
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HA	16	0.34
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	1	0.34
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	1	0.34
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	2	0.34
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	2	0.34
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	6	0.34
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	6	0.34
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	7	0.34
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	7	0.34
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	8	0.34
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	8	0.34
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	9	0.34
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	9	0.34
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	11	0.34
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	11	0.34
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	12	0.34
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	12	0.34
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	13	0.34
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	13	0.34
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	18	0.34
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	18	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	19	0.34
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	19	0.34
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	3	0.34
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	3	0.34
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	3	0.34
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	3	0.34
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	11	0.34
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	11	0.34
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	11	0.34
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	11	0.34
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	15	0.34
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	15	0.34
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	15	0.34
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	15	0.34
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	16	0.34
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	16	0.34
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	16	0.34
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	16	0.34
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	18	0.34
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	18	0.34
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	18	0.34
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	18	0.34
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	4	0.34
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	4	0.34
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	4	0.34
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	5	0.34
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	5	0.34
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	5	0.34
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	11	0.34
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	11	0.34
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	11	0.34
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	12	0.34
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	12	0.34
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	12	0.34
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	15	0.34
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	15	0.34
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	15	0.34
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	16	0.34
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	16	0.34
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	16	0.34
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	18	0.34
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	18	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	18	0.34
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	1	0.34
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	1	0.34
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	3	0.34
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	3	0.34
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	4	0.34
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	4	0.34
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	5	0.34
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	5	0.34
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	7	0.34
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	7	0.34
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	9	0.34
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	9	0.34
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	11	0.34
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	11	0.34
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	12	0.34
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	12	0.34
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	13	0.34
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	13	0.34
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	15	0.34
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	15	0.34
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	16	0.34
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	16	0.34
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	17	0.34
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	17	0.34
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	18	0.34
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	18	0.34
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	19	0.34
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	19	0.34
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	20	0.34
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	20	0.34
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	1	0.34
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	1	0.34
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	3	0.34
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	3	0.34
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	4	0.34
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	4	0.34
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	5	0.34
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	5	0.34
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	7	0.34
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	7	0.34
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	9	0.34
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	11	0.34
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	11	0.34
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	12	0.34
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	12	0.34
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	13	0.34
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	13	0.34
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	15	0.34
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	15	0.34
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	16	0.34
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	16	0.34
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	17	0.34
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	17	0.34
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	18	0.34
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	18	0.34
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	19	0.34
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	19	0.34
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	20	0.34
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	20	0.34
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD2	10	0.33
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD3	10	0.33
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD2	15	0.33
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD3	15	0.33
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	3	0.33
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	9	0.33
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	1	0.33
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	1	0.33
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	3	0.33
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	3	0.33
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	4	0.33
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	4	0.33
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	6	0.33
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	6	0.33
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	7	0.33
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	7	0.33
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	10	0.33
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	10	0.33
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	12	0.33
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	12	0.33
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	15	0.33
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	15	0.33
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	16	0.33
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	17	0.33
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	17	0.33
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	18	0.33
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	18	0.33
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	19	0.33
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	19	0.33
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	20	0.33
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	20	0.33
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	3	0.33
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	2	0.33
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	4	0.33
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	5	0.33
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	8	0.33
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	9	0.33
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	11	0.33
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	12	0.33
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	15	0.33
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	2	0.33
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	2	0.33
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	2	0.33
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	9	0.33
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	9	0.33
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	9	0.33
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	3	0.33
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	3	0.33
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	4	0.33
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	4	0.33
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	7	0.33
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	7	0.33
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	12	0.33
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	12	0.33
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	16	0.33
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	16	0.33
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	17	0.33
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	17	0.33
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	19	0.33
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	19	0.33
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	17	0.33
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	17	0.33
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	20	0.33
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	1	0.33
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	1	0.33
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	1	0.33
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	1	0.33
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	5	0.33
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	5	0.33
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	5	0.33
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	5	0.33
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	9	0.33
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	9	0.33
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	9	0.33
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	9	0.33
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	12	0.33
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	12	0.33
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	12	0.33
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	12	0.33
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	2	0.33
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	2	0.33
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	2	0.33
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	8	0.33
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	8	0.33
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	8	0.33
(1,34)	1:3:A:ALA:HB1	1:4:A:LEU:HA	14	0.33
(1,34)	1:3:A:ALA:HB2	1:4:A:LEU:HA	14	0.33
(1,34)	1:3:A:ALA:HB3	1:4:A:LEU:HA	14	0.33
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	6	0.33
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	6	0.33
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	10	0.33
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	10	0.33
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	6	0.33
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	6	0.33
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	10	0.33
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	10	0.33
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD2	5	0.32
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD3	5	0.32
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	1	0.32
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	16	0.32
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	2	0.32
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	2	0.32
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	5	0.32
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	5	0.32
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	8	0.32
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	9	0.32
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	9	0.32
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	11	0.32
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	11	0.32
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	4	0.32
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	5	0.32
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	7	0.32
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	17	0.32
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	18	0.32
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	19	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	3	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	3	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	3	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	5	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	5	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	5	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	6	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	6	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	6	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	8	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	8	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	8	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	10	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	10	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	10	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	11	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	11	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	11	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	15	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	15	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	15	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	16	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	16	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	16	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	18	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	18	0.32
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	18	0.32
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	14	0.32
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	14	0.32
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	14	0.32
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	16	0.32
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	16	0.32
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	2	0.32
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	2	0.32
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	3	0.32
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	3	0.32
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	4	0.32
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	4	0.32
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	5	0.32
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	5	0.32
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	7	0.32
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	7	0.32
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	8	0.32
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	8	0.32
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	10	0.32
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	10	0.32
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	11	0.32
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	11	0.32
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	15	0.32
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	15	0.32
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	16	0.32
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	16	0.32
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	20	0.32
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	20	0.32
(1,451)	1:16:A:LYS:HB2	1:17:A:LYS:H	12	0.31
(1,451)	1:16:A:LYS:HB3	1:17:A:LYS:H	12	0.31
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	15	0.31
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	15	0.31
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	15	0.31
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	15	0.31
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	6	0.31
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	7	0.31
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	8	0.31
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	10	0.31
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	11	0.31
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	15	0.31
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	17	0.31
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	19	0.31
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	20	0.31
(1,314)	1:11:A:PHE:HE1	1:12:A:ILE:HA	14	0.31
(1,314)	1:11:A:PHE:HE2	1:12:A:ILE:HA	14	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	1	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	1	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	1	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	2	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	2	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	2	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	2	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	3	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	3	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	3	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	3	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	4	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	4	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	4	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	4	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	5	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	5	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	5	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	5	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	6	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	6	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	6	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	6	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	7	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	7	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	7	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	7	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	8	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	8	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	8	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	8	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	9	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	9	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	9	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	9	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	10	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	10	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	10	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	10	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	11	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	11	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	11	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	12	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	12	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	12	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	12	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	13	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	13	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	13	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	13	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	14	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	14	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	14	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	14	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	15	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	15	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	15	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	15	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	16	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	16	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	16	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	16	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	17	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	17	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	17	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	17	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	18	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	18	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	18	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	18	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	19	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	19	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	19	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	19	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	20	0.31
(1,301)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	20	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	20	0.31
(1,301)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	20	0.31
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	1	0.31
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	7	0.31
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	12	0.31
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	17	0.31
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	19	0.31
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	20	0.31
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	1	0.31
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	16	0.31
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	20	0.31
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	8	0.31
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	8	0.31
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	11	0.31
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	11	0.31
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	8	0.31
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	8	0.31
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	11	0.31
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	11	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	1	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	1	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	1	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	4	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	4	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	4	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	7	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	7	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	7	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	12	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	12	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	12	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	17	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	17	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	17	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	19	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	19	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	19	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	20	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	20	0.31
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	20	0.31
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	5	0.31
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	5	0.31
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	6	0.31
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	6	0.31
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	18	0.31
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	18	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	2	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	3	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	3	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	4	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	4	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	5	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	5	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	7	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	7	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	8	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	8	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	9	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	9	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	10	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	10	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	11	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	11	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	12	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	12	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	13	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	13	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	15	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	15	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	16	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	16	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	17	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	17	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	18	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	18	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	19	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	19	0.31
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	20	0.31
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	20	0.31
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	3	0.31
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	3	0.31
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	4	0.31
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	4	0.31
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	5	0.31
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	5	0.31
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	10	0.31
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	10	0.31
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	15	0.31
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	1	0.31
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	1	0.31
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	6	0.31
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	6	0.31
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	9	0.31
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	9	0.31
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	12	0.31
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	12	0.31
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	13	0.31
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	13	0.31
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	14	0.31
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	14	0.31
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	17	0.31
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	17	0.31
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	18	0.31
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	18	0.31
(1,81)	1:4:A:LEU:HB2	1:6:A:LYS:H	19	0.31
(1,81)	1:4:A:LEU:HB3	1:6:A:LYS:H	19	0.31
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	2	0.31
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	2	0.31
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	2	0.31
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	2	0.31
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	8	0.31
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	8	0.31
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	8	0.31
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	8	0.31
(1,451)	1:16:A:LYS:HB2	1:17:A:LYS:H	1	0.3
(1,451)	1:16:A:LYS:HB3	1:17:A:LYS:H	1	0.3
(1,451)	1:16:A:LYS:HB2	1:17:A:LYS:H	3	0.3
(1,451)	1:16:A:LYS:HB3	1:17:A:LYS:H	3	0.3
(1,451)	1:16:A:LYS:HB2	1:17:A:LYS:H	4	0.3
(1,451)	1:16:A:LYS:HB3	1:17:A:LYS:H	4	0.3
(1,451)	1:16:A:LYS:HB2	1:17:A:LYS:H	7	0.3
(1,451)	1:16:A:LYS:HB3	1:17:A:LYS:H	7	0.3
(1,451)	1:16:A:LYS:HB2	1:17:A:LYS:H	13	0.3
(1,451)	1:16:A:LYS:HB3	1:17:A:LYS:H	13	0.3
(1,451)	1:16:A:LYS:HB2	1:17:A:LYS:H	16	0.3
(1,451)	1:16:A:LYS:HB3	1:17:A:LYS:H	16	0.3
(1,451)	1:16:A:LYS:HB2	1:17:A:LYS:H	17	0.3
(1,451)	1:16:A:LYS:HB3	1:17:A:LYS:H	17	0.3
(1,451)	1:16:A:LYS:HB2	1:17:A:LYS:H	19	0.3
(1,451)	1:16:A:LYS:HB3	1:17:A:LYS:H	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,451)	1:16:A:LYS:HB2	1:17:A:LYS:H	20	0.3
(1,451)	1:16:A:LYS:HB3	1:17:A:LYS:H	20	0.3
(1,450)	1:16:A:LYS:HA	1:17:A:LYS:H	2	0.3
(1,450)	1:16:A:LYS:HA	1:17:A:LYS:H	9	0.3
(1,447)	1:16:A:LYS:HD2	1:16:A:LYS:H	4	0.3
(1,447)	1:16:A:LYS:HD3	1:16:A:LYS:H	4	0.3
(1,447)	1:16:A:LYS:HD2	1:16:A:LYS:H	7	0.3
(1,447)	1:16:A:LYS:HD3	1:16:A:LYS:H	7	0.3
(1,447)	1:16:A:LYS:HD2	1:16:A:LYS:H	12	0.3
(1,447)	1:16:A:LYS:HD3	1:16:A:LYS:H	12	0.3
(1,447)	1:16:A:LYS:HD2	1:16:A:LYS:H	19	0.3
(1,447)	1:16:A:LYS:HD3	1:16:A:LYS:H	19	0.3
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	8	0.3
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	8	0.3
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	8	0.3
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	8	0.3
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	10	0.3
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	10	0.3
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	10	0.3
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	10	0.3
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	11	0.3
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	11	0.3
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	11	0.3
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	11	0.3
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	4	0.3
(1,346)	1:12:A:ILE:HB	1:13:A:LEU:HG	12	0.3
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	3	0.3
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	1	0.3
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	1	0.3
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	2	0.3
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	2	0.3
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	6	0.3
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	6	0.3
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	9	0.3
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	9	0.3
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	15	0.3
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	15	0.3
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	17	0.3
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	17	0.3
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	18	0.3
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	18	0.3
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	19	0.3
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	20	0.3
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	20	0.3
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	1	0.3
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	1	0.3
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	2	0.3
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	2	0.3
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	6	0.3
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	6	0.3
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	9	0.3
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	9	0.3
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	15	0.3
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	15	0.3
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	17	0.3
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	17	0.3
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	18	0.3
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	18	0.3
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	19	0.3
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	19	0.3
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	20	0.3
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	20	0.3
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	13	0.3
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	13	0.3
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	13	0.3
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	8	0.3
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	8	0.3
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	10	0.3
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	10	0.3
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	11	0.3
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	11	0.3
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	15	0.3
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	15	0.3
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	14	0.3
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	14	0.3
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	1	0.3
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	1	0.3
(1,153)	1:6:A:LYS:HG2	1:7:A:PHE:H	6	0.3
(1,153)	1:6:A:LYS:HG3	1:7:A:PHE:H	6	0.3
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE1	14	0.3
(1,126)	1:5:A:SER:HB2	1:8:A:PHE:HE2	14	0.3
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE1	14	0.3
(1,126)	1:5:A:SER:HB3	1:8:A:PHE:HE2	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	5	0.3
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	5	0.3
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	10	0.3
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	10	0.3
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	15	0.3
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	15	0.3
(1,12)	1:2:A:MET:HG2	1:3:A:ALA:H	2	0.3
(1,12)	1:2:A:MET:HG3	1:3:A:ALA:H	2	0.3
(1,450)	1:16:A:LYS:HA	1:17:A:LYS:H	6	0.29
(1,450)	1:16:A:LYS:HA	1:17:A:LYS:H	8	0.29
(1,450)	1:16:A:LYS:HA	1:17:A:LYS:H	10	0.29
(1,450)	1:16:A:LYS:HA	1:17:A:LYS:H	11	0.29
(1,450)	1:16:A:LYS:HA	1:17:A:LYS:H	14	0.29
(1,450)	1:16:A:LYS:HA	1:17:A:LYS:H	15	0.29
(1,447)	1:16:A:LYS:HD2	1:16:A:LYS:H	13	0.29
(1,447)	1:16:A:LYS:HD3	1:16:A:LYS:H	13	0.29
(1,447)	1:16:A:LYS:HD2	1:16:A:LYS:H	17	0.29
(1,447)	1:16:A:LYS:HD3	1:16:A:LYS:H	17	0.29
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD2	6	0.29
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD3	6	0.29
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	14	0.29
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	14	0.29
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	6	0.29
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	8	0.29
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	10	0.29
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	11	0.29
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	15	0.29
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	16	0.29
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	16	0.29
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	3	0.29
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	3	0.29
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	10	0.29
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	10	0.29
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	12	0.29
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	12	0.29
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	16	0.29
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	16	0.29
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	3	0.29
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	3	0.29
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	10	0.29
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	10	0.29
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	12	0.29
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	16	0.29
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	16	0.29
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	14	0.29
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	14	0.29
(1,224)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	14	0.29
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	2	0.29
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	2	0.29
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	9	0.29
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	9	0.29
(1,223)	1:8:A:PHE:HE1	1:12:A:ILE:H	14	0.29
(1,223)	1:8:A:PHE:HE2	1:12:A:ILE:H	14	0.29
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	3	0.29
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	3	0.29
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	4	0.29
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	4	0.29
(1,12)	1:2:A:MET:HG2	1:3:A:ALA:H	8	0.29
(1,12)	1:2:A:MET:HG3	1:3:A:ALA:H	8	0.29
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	2	0.29
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	2	0.29
(1,10)	1:2:A:MET:HB2	1:3:A:ALA:HA	8	0.29
(1,10)	1:2:A:MET:HB3	1:3:A:ALA:HA	8	0.29
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	2	0.29
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	2	0.29
(1,7)	1:2:A:MET:HB2	1:3:A:ALA:HA	8	0.29
(1,7)	1:2:A:MET:HB3	1:3:A:ALA:HA	8	0.29
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	9	0.28
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	5	0.28
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	5	0.28
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	5	0.28
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	18	0.28
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	18	0.28
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	18	0.28
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	2	0.28
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	2	0.28
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	9	0.28
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	9	0.28
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	14	0.28
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	14	0.28
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	14	0.28
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	4	0.28
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	4	0.28
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	4	0.28
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	5	0.28
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	5	0.28
(1,244)	1:9:A:ARG:HB2	1:9:A:ARG:HE	7	0.28
(1,244)	1:9:A:ARG:HB3	1:9:A:ARG:HE	7	0.28
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	4	0.28
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	4	0.28
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	5	0.28
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	5	0.28
(1,239)	1:9:A:ARG:HB2	1:9:A:ARG:HE	7	0.28
(1,239)	1:9:A:ARG:HB3	1:9:A:ARG:HE	7	0.28
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	14	0.28
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	14	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	1	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	1	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	2	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	2	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	6	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	6	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	7	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	7	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	8	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	8	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	9	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	9	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	11	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	11	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	12	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	12	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	13	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	13	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	16	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	16	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	17	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	17	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	18	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	18	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	19	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	19	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	20	0.28
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	2	0.28
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	2	0.28
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	2	0.28
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	2	0.28
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	2	0.28
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	2	0.28
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	8	0.28
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	8	0.28
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	8	0.28
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	8	0.28
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	8	0.28
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	8	0.28
(1,447)	1:16:A:LYS:HD2	1:16:A:LYS:H	1	0.27
(1,447)	1:16:A:LYS:HD3	1:16:A:LYS:H	1	0.27
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	2	0.27
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	9	0.27
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	9	0.27
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	9	0.27
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	14	0.27
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	14	0.27
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	14	0.27
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	2	0.27
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	2	0.27
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	6	0.27
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	6	0.27
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	7	0.27
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	7	0.27
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	8	0.27
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	8	0.27
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	9	0.27
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	9	0.27
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	13	0.27
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	13	0.27
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	15	0.27
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	15	0.27
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	17	0.27
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	17	0.27
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	2	0.27
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	9	0.27
(1,262)	1:9:A:ARG:HA	1:13:A:LEU:HA	13	0.27
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	3	0.27
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	5	0.27
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	5	0.27
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	7	0.27
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	7	0.27
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	10	0.27
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	10	0.27
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	11	0.27
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	11	0.27
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	12	0.27
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	12	0.27
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	15	0.27
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	15	0.27
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	19	0.27
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	19	0.27
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	13	0.27
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	13	0.27
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	4	0.27
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	4	0.27
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	5	0.27
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	5	0.27
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	8	0.27
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	8	0.27
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	10	0.27
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	10	0.27
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	3	0.26
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	3	0.26
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	16	0.26
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	16	0.26
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB2	3	0.26
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB3	3	0.26
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB2	16	0.26
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB3	16	0.26
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	2	0.26
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	2	0.26
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	2	0.26
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	3	0.26
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	3	0.26
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	3	0.26
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	13	0.26
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	13	0.26
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	13	0.26
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	6	0.26
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	8	0.26
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	8	0.26
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	10	0.26
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	10	0.26
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	11	0.26
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	11	0.26
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	1	0.26
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	1	0.26
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	4	0.26
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	4	0.26
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	5	0.26
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	5	0.26
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	10	0.26
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	10	0.26
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	11	0.26
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	11	0.26
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	12	0.26
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	12	0.26
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	18	0.26
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	18	0.26
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	19	0.26
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	19	0.26
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	20	0.26
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	20	0.26
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	13	0.26
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	1	0.26
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	1	0.26
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	2	0.26
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	2	0.26
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	6	0.26
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	6	0.26
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	8	0.26
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	8	0.26
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	9	0.26
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	9	0.26
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	17	0.26
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	17	0.26
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	18	0.26
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	18	0.26
(1,251)	1:9:A:ARG:HG2	1:9:A:ARG:H	20	0.26
(1,251)	1:9:A:ARG:HG3	1:9:A:ARG:H	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	1	0.26
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	1	0.26
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	2	0.26
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	2	0.26
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	4	0.26
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	4	0.26
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	6	0.26
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	6	0.26
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	7	0.26
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	7	0.26
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	8	0.26
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	8	0.26
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	9	0.26
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	9	0.26
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	10	0.26
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	10	0.26
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	15	0.26
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	15	0.26
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	17	0.26
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	17	0.26
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	19	0.26
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	19	0.26
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	20	0.26
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	20	0.26
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB2	14	0.26
(1,116)	1:5:A:SER:H	1:6:A:LYS:HB3	14	0.26
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	4	0.26
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	4	0.26
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	4	0.26
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	4	0.26
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	4	0.26
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	4	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	1	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	1	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	2	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	2	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	3	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	3	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	6	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	6	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	7	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	9	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	9	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	11	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	11	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	12	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	12	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	13	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	13	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	14	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	14	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	15	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	15	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	16	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	16	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	17	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	17	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	18	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	18	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	19	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	19	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE1	20	0.26
(1,87)	1:4:A:LEU:HA	1:7:A:PHE:HE2	20	0.26
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	7	0.26
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	16	0.26
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	16	0.26
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	16	0.26
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	16	0.26
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	16	0.26
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	16	0.26
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	6	0.26
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	6	0.26
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	6	0.26
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	6	0.26
(1,447)	1:16:A:LYS:HD2	1:16:A:LYS:H	20	0.25
(1,447)	1:16:A:LYS:HD3	1:16:A:LYS:H	20	0.25
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	2	0.25
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	2	0.25
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	2	0.25
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	2	0.25
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	1	0.25
(1,429)	1:15:A:ARG:HA	1:16:A:LYS:HB2	2	0.25
(1,429)	1:15:A:ARG:HA	1:16:A:LYS:HB3	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,429)	1:15:A:ARG:HA	1:16:A:LYS:HB2	9	0.25
(1,429)	1:15:A:ARG:HA	1:16:A:LYS:HB3	9	0.25
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	1	0.25
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	1	0.25
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	12	0.25
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	12	0.25
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	13	0.25
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	13	0.25
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	17	0.25
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	17	0.25
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	19	0.25
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	19	0.25
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	20	0.25
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	20	0.25
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	1	0.25
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	1	0.25
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	1	0.25
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	6	0.25
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	6	0.25
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	6	0.25
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	7	0.25
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	7	0.25
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	7	0.25
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	8	0.25
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	8	0.25
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	8	0.25
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	10	0.25
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	10	0.25
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	10	0.25
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	11	0.25
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	11	0.25
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	11	0.25
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	16	0.25
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	16	0.25
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	16	0.25
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	17	0.25
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	17	0.25
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	17	0.25
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	19	0.25
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	19	0.25
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	19	0.25
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	20	0.25
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	20	0.25
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	15	0.25
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	15	0.25
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	1	0.25
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	1	0.25
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	2	0.25
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	2	0.25
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	3	0.25
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	3	0.25
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	6	0.25
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	6	0.25
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	13	0.25
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	13	0.25
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	16	0.25
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	16	0.25
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	17	0.25
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	17	0.25
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	18	0.25
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	18	0.25
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	20	0.25
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	20	0.25
(1,266)	1:9:A:ARG:HA	1:13:A:LEU:HG	14	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	3	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	3	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	9	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	9	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	11	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	11	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	12	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	12	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	13	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	13	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	15	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	15	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	16	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	16	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	18	0.25
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	18	0.25
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	5	0.25
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	5	0.25
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	11	0.25
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	12	0.25
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	12	0.25
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	18	0.25
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	18	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	1	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	1	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	3	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	3	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	4	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	4	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	5	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	5	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	7	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	7	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	12	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	12	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	16	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	16	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	17	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	17	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	18	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	18	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	19	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	19	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	20	0.25
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	20	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	1	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	1	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	3	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	3	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	4	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	4	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	5	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	5	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	7	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	7	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	12	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	12	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	16	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	16	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	17	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	18	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	18	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	19	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	19	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	20	0.25
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	20	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	1	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	1	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	1	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	1	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	1	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	1	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	2	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	2	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	2	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	2	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	2	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	2	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	3	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	3	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	3	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	3	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	3	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	3	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	5	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	5	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	5	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	5	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	5	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	5	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	6	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	6	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	6	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	6	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	6	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	6	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	7	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	7	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	7	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	7	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	7	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	8	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	8	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	8	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	8	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	8	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	8	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	9	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	9	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	9	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	9	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	9	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	9	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	10	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	10	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	10	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	10	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	10	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	10	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	11	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	11	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	11	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	11	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	11	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	11	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	12	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	12	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	12	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	12	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	12	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	12	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	13	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	13	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	13	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	13	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	13	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	13	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	15	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	15	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	15	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	15	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	15	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	16	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	16	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	16	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	16	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	16	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	16	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	17	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	17	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	17	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	17	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	17	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	17	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	18	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	18	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	18	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	18	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	18	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	18	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	19	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	19	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	19	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	19	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	19	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	19	0.25
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	20	0.25
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	20	0.25
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	20	0.25
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	20	0.25
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	20	0.25
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	20	0.25
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	1	0.25
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	3	0.25
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	4	0.25
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	6	0.25
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	10	0.25
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	13	0.25
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	14	0.25
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	15	0.25
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	17	0.25
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	19	0.25
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	5	0.25
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	5	0.25
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	5	0.25
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	5	0.25
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	5	0.25
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	5	0.25
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	9	0.24
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	9	0.24
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	9	0.24
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	9	0.24
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	20	0.24
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	4	0.24
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	4	0.24
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	5	0.24
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	5	0.24
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	7	0.24
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	7	0.24
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	5	0.24
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	18	0.24
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	4	0.24
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	4	0.24
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	4	0.24
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	12	0.24
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	12	0.24
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	12	0.24
(1,349)	1:12:A:ILE:HD11	1:13:A:LEU:HG	15	0.24
(1,349)	1:12:A:ILE:HD12	1:13:A:LEU:HG	15	0.24
(1,349)	1:12:A:ILE:HD13	1:13:A:LEU:HG	15	0.24
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	3	0.24
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	3	0.24
(1,305)	1:11:A:PHE:HE1	1:11:A:PHE:H	16	0.24
(1,305)	1:11:A:PHE:HE2	1:11:A:PHE:H	16	0.24
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	4	0.24
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	4	0.24
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	5	0.24
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	5	0.24
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	7	0.24
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	7	0.24
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	8	0.24
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	8	0.24
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	9	0.24
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	10	0.24
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	10	0.24
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	11	0.24
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	11	0.24
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	12	0.24
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	12	0.24
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	14	0.24
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	14	0.24
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	15	0.24
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	15	0.24
(1,282)	1:10:A:ASP:HB2	1:11:A:PHE:HA	19	0.24
(1,282)	1:10:A:ASP:HB3	1:11:A:PHE:HA	19	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	1	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	1	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	2	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	2	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	4	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	4	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	5	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	5	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	6	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	6	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	7	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	7	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	8	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	8	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	10	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	10	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	17	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	17	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	19	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	19	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE1	20	0.24
(1,213)	1:8:A:PHE:HZ	1:11:A:PHE:HE2	20	0.24
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	2	0.24
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	2	0.24
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	6	0.24
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	6	0.24
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	8	0.24
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	8	0.24
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	9	0.24
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	10	0.24
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	10	0.24
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	11	0.24
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	11	0.24
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	13	0.24
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	13	0.24
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	15	0.24
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	15	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	2	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	2	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	6	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	6	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	8	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	8	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	9	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	9	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	10	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	10	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	11	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	11	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	13	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	13	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	15	0.24
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	15	0.24
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	8	0.24
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	8	0.24
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	16	0.24
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	16	0.24
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	5	0.24
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	9	0.24
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	11	0.24
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	12	0.24
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	16	0.24
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	18	0.24
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	1	0.24
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	1	0.24
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	1	0.24
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	1	0.24
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	1	0.24
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	1	0.24
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	3	0.24
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	3	0.24
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	3	0.24
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	3	0.24
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	3	0.24
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	6	0.24
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	6	0.24
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	6	0.24
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	6	0.24
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	6	0.24
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	6	0.24
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	11	0.24
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	11	0.24
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	11	0.24
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	11	0.24
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	11	0.24
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	11	0.24
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	12	0.24
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	12	0.24
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	12	0.24
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	12	0.24
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	12	0.24
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	12	0.24
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	15	0.24
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	15	0.24
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	15	0.24
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	15	0.24
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	15	0.24
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	15	0.24
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	18	0.24
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	18	0.24
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	18	0.24
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	18	0.24
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	18	0.24
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	18	0.24
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	2	0.23
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	9	0.23
(1,447)	1:16:A:LYS:HD2	1:16:A:LYS:H	3	0.23
(1,447)	1:16:A:LYS:HD3	1:16:A:LYS:H	3	0.23
(1,447)	1:16:A:LYS:HD2	1:16:A:LYS:H	16	0.23
(1,447)	1:16:A:LYS:HD3	1:16:A:LYS:H	16	0.23
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	3	0.23
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	3	0.23
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	3	0.23
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	16	0.23
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	16	0.23
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	16	0.23
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	16	0.23
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	4	0.23
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	12	0.23
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	17	0.23
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	19	0.23
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	18	0.23
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	18	0.23
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	18	0.23
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	18	0.23
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD2	3	0.23
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD3	3	0.23
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD2	16	0.23
(1,356)	1:12:A:ILE:HA	1:15:A:ARG:HD3	16	0.23
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	4	0.23
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	4	0.23
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	7	0.23
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	7	0.23
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	12	0.23
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	12	0.23
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	13	0.23
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	13	0.23
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	17	0.23
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	17	0.23
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	19	0.23
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	19	0.23
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	3	0.23
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	3	0.23
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	3	0.23
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	3	0.23
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	8	0.23
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	8	0.23
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	8	0.23
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	8	0.23
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	9	0.23
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	9	0.23
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	9	0.23
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	11	0.23
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	11	0.23
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	11	0.23
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	11	0.23
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	18	0.23
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	18	0.23
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	18	0.23
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	18	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	1	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	1	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	2	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	2	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	3	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	3	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	5	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	5	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	6	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	6	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	7	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	7	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	9	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	9	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	10	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	10	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	11	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	11	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	12	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	12	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	15	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	15	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	17	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	17	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	18	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	18	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	19	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	19	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	20	0.23
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	20	0.23
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	16	0.23
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	16	0.23
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	6	0.23
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	10	0.23
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	2	0.23
(1,75)	1:4:A:LEU:H	1:5:A:SER:HA	8	0.23
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	4	0.23
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	4	0.23
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	4	0.23
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	4	0.23
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	4	0.23
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	4	0.23
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	9	0.23
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	9	0.23
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	9	0.23
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	9	0.23
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	9	0.23
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	9	0.23
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	10	0.23
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	10	0.23
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	10	0.23
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	10	0.23
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	10	0.23
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	10	0.23
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	13	0.23
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	13	0.23
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	13	0.23
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	13	0.23
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	13	0.23
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	13	0.23
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	17	0.23
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	17	0.23
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	17	0.23
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	17	0.23
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	17	0.23
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	17	0.23
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	19	0.23
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	19	0.23
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	19	0.23
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	19	0.23
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	19	0.23
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	19	0.23
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	20	0.23
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	20	0.23
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	20	0.23
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	20	0.23
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	20	0.23
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	7	0.23
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	7	0.23
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	7	0.23
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	7	0.23
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	10	0.23
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	10	0.23
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	10	0.23
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	10	0.23
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	13	0.23
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	13	0.23
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	13	0.23
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	13	0.23
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	17	0.23
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	17	0.23
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	17	0.23
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	17	0.23
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	19	0.23
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	19	0.23
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	19	0.23
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	19	0.23
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	20	0.23
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	20	0.23
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	20	0.23
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	20	0.23
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	4	0.23
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	4	0.23
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	4	0.23
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	4	0.23
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	4	0.22
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	6	0.22
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	8	0.22
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	10	0.22
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	11	0.22
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	3	0.22
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	7	0.22
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	13	0.22
(1,429)	1:15:A:ARG:HA	1:16:A:LYS:HB2	3	0.22
(1,429)	1:15:A:ARG:HA	1:16:A:LYS:HB3	3	0.22
(1,429)	1:15:A:ARG:HA	1:16:A:LYS:HB2	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,429)	1:15:A:ARG:HA	1:16:A:LYS:HB3	16	0.22
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	3	0.22
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	3	0.22
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG2	16	0.22
(1,381)	1:13:A:LEU:HA	1:15:A:ARG:HG3	16	0.22
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	2	0.22
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	9	0.22
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	3	0.22
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	13	0.22
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	16	0.22
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	1	0.22
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	1	0.22
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	5	0.22
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	5	0.22
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	18	0.22
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	18	0.22
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	20	0.22
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	20	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	1	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	1	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	1	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	1	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	2	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	2	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	2	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	2	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	5	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	5	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	5	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	5	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	6	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	6	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	6	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	6	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	10	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	10	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	10	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	10	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	15	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	15	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	15	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	16	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	16	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	16	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	16	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	17	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	17	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	17	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	17	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	19	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	19	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	19	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	19	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	20	0.22
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	20	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	20	0.22
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	20	0.22
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	4	0.22
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	4	0.22
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	13	0.22
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	13	0.22
(1,108)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	14	0.22
(1,108)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	14	0.22
(1,108)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	14	0.22
(1,108)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	14	0.22
(1,108)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	14	0.22
(1,108)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	14	0.22
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	1	0.22
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	3	0.22
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	4	0.22
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	5	0.22
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	12	0.22
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	13	0.22
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	14	0.22
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	15	0.22
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	16	0.22
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	17	0.22
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	19	0.22
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	20	0.22
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	14	0.22
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	14	0.22
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	14	0.22
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	14	0.22
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	14	0.22
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	2	0.22
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	2	0.22
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	2	0.22
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	2	0.22
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	8	0.22
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	8	0.22
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	8	0.22
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	8	0.22
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	15	0.22
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	15	0.22
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	15	0.22
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	15	0.22
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	1	0.21
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	5	0.21
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	7	0.21
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	12	0.21
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	15	0.21
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	17	0.21
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	18	0.21
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	19	0.21
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	20	0.21
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	4	0.21
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	5	0.21
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	12	0.21
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	14	0.21
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	15	0.21
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	16	0.21
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	6	0.21
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	8	0.21
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	10	0.21
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	14	0.21
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	15	0.21
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	1	0.21
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	4	0.21
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	5	0.21
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	6	0.21
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	7	0.21
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	8	0.21
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	10	0.21
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	12	0.21
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	13	0.21
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	14	0.21
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	15	0.21
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	17	0.21
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	18	0.21
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	19	0.21
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	14	0.21
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	16	0.21
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	20	0.21
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	1	0.21
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	3	0.21
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	18	0.21
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	20	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	1	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	1	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	1	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	1	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	2	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	2	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	2	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	2	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	3	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	3	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	3	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	3	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	4	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	4	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	4	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	4	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	5	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	5	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	5	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	5	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	6	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	6	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	6	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	6	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	7	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	7	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	7	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	8	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	8	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	8	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	8	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	9	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	9	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	9	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	9	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	10	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	10	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	10	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	10	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	11	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	11	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	11	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	11	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	12	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	12	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	12	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	12	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	13	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	13	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	13	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	13	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	14	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	14	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	14	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	14	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	15	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	15	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	15	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	15	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	16	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	16	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	16	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	16	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	17	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	17	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	17	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	17	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	18	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	18	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	18	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	19	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	19	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	19	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	19	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE1	20	0.21
(1,303)	1:11:A:PHE:HB2	1:11:A:PHE:HE2	20	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE1	20	0.21
(1,303)	1:11:A:PHE:HB3	1:11:A:PHE:HE2	20	0.21
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	3	0.21
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	3	0.21
(1,212)	1:8:A:PHE:HE1	1:11:A:PHE:H	16	0.21
(1,212)	1:8:A:PHE:HE2	1:11:A:PHE:H	16	0.21
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB2	14	0.21
(1,206)	1:8:A:PHE:HA	1:11:A:PHE:HB3	14	0.21
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB2	14	0.21
(1,205)	1:8:A:PHE:HA	1:11:A:PHE:HB3	14	0.21
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	4	0.21
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	4	0.21
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	4	0.21
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	4	0.21
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	7	0.21
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	7	0.21
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	7	0.21
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	7	0.21
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB2	12	0.21
(1,201)	1:8:A:PHE:HB2	1:9:A:ARG:HB3	12	0.21
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB2	12	0.21
(1,201)	1:8:A:PHE:HB3	1:9:A:ARG:HB3	12	0.21
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB2	14	0.21
(1,182)	1:7:A:PHE:H	1:8:A:PHE:HB3	14	0.21
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	4	0.21
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	4	0.21
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	4	0.21
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	4	0.21
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	4	0.21
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	4	0.21
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	4	0.21
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	4	0.21
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	4	0.21
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	4	0.21
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	4	0.21
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	15	0.21
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	15	0.21
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	15	0.21
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	15	0.21
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	15	0.21
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	15	0.21
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	15	0.21
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	15	0.21
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	15	0.21
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	15	0.21
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	15	0.21
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	15	0.21
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	4	0.21
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	4	0.21
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	4	0.21
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	4	0.21
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	4	0.21
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	4	0.21
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	4	0.21
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	4	0.21
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	4	0.21
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	4	0.21
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	4	0.21
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	4	0.21
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	15	0.21
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	15	0.21
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	15	0.21
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	15	0.21
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	15	0.21
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	15	0.21
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	15	0.21
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	15	0.21
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	15	0.21
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	15	0.21
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	15	0.21
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	15	0.21
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	9	0.21
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	11	0.21
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	18	0.21
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB2	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:3:A:ALA:HB1	1:6:A:LYS:HB3	7	0.21
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB2	7	0.21
(1,43)	1:3:A:ALA:HB2	1:6:A:LYS:HB3	7	0.21
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB2	7	0.21
(1,43)	1:3:A:ALA:HB3	1:6:A:LYS:HB3	7	0.21
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	1	0.21
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	1	0.21
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	1	0.21
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	1	0.21
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	13	0.21
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	13	0.21
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	13	0.21
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	13	0.21
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	17	0.21
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	17	0.21
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	17	0.21
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	17	0.21
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	19	0.21
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	19	0.21
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	19	0.21
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	19	0.21
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	20	0.21
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	20	0.21
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	20	0.21
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	20	0.21
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	1	0.2
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	6	0.2
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	7	0.2
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	8	0.2
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	9	0.2
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	10	0.2
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	17	0.2
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	18	0.2
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	19	0.2
(1,454)	1:16:A:LYS:H	1:17:A:LYS:H	5	0.2
(1,454)	1:16:A:LYS:H	1:17:A:LYS:H	18	0.2
(1,436)	1:15:A:ARG:HA	1:17:A:LYS:H	11	0.2
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD2	5	0.2
(1,389)	1:13:A:LEU:H	1:16:A:LYS:HD3	5	0.2
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	20	0.2
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	1	0.2
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	12	0.2
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	17	0.2
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	19	0.2
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	4	0.2
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	5	0.2
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	6	0.2
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	7	0.2
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	8	0.2
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	10	0.2
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	11	0.2
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	12	0.2
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	13	0.2
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	15	0.2
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	17	0.2
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	19	0.2
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	3	0.2
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	3	0.2
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG2	16	0.2
(1,322)	1:11:A:PHE:HA	1:14:A:GLN:HG3	16	0.2
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	13	0.2
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	13	0.2
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	1	0.2
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	1	0.2
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	4	0.2
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	4	0.2
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	5	0.2
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	5	0.2
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	6	0.2
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	6	0.2
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	7	0.2
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	7	0.2
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	8	0.2
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	8	0.2
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	13	0.2
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	13	0.2
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	17	0.2
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	17	0.2
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	18	0.2
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	18	0.2
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	19	0.2
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	19	0.2
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	20	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	3	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	3	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	3	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	3	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	3	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	3	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	3	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	3	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	3	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	3	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	3	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	3	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	5	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	5	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	5	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	5	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	5	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	5	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	5	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	5	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	5	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	5	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	5	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	5	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	6	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	6	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	6	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	6	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	6	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	6	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	6	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	6	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	6	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	6	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	6	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	6	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	7	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	7	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	7	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	7	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	7	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	7	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	7	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	7	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	7	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	7	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	7	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	9	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	9	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	9	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	9	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	9	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	9	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	9	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	9	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	9	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	9	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	9	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	9	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	10	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	10	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	10	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	10	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	10	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	10	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	10	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	10	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	10	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	10	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	10	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	10	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	11	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	11	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	11	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	11	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	11	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	11	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	11	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	11	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	11	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	11	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	11	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	12	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	12	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	12	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	12	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	12	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	12	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	12	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	12	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	12	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	12	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	12	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	12	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	13	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	13	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	13	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	13	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	13	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	13	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	13	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	13	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	13	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	13	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	13	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	13	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	16	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	16	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	16	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	16	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	16	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	16	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	16	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	16	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	16	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	16	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	16	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	16	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	17	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	17	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	17	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	17	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	17	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	17	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	17	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	17	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	17	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	17	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	17	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	18	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	18	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	18	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	18	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	18	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	18	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	18	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	18	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	18	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	18	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	18	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	18	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	19	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	19	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	19	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	19	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	19	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	19	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	19	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	19	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	19	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	19	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	19	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	19	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	20	0.2
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	20	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	20	0.2
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	20	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	20	0.2
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	20	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	20	0.2
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	20	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	20	0.2
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	20	0.2
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	20	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	3	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	3	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	3	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	3	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	3	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	3	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	3	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	3	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	3	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	3	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	3	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	3	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	5	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	5	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	5	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	5	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	5	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	5	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	5	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	5	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	5	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	5	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	5	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	5	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	6	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	6	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	6	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	6	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	6	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	6	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	6	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	6	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	6	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	6	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	6	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	6	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	7	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	7	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	7	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	7	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	7	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	7	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	7	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	7	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	7	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	7	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	7	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	9	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	9	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	9	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	9	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	9	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	9	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	9	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	9	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	9	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	9	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	9	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	9	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	10	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	10	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	10	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	10	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	10	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	10	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	10	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	10	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	10	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	10	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	10	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	10	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	11	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	11	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	11	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	11	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	11	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	11	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	11	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	11	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	11	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	11	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	11	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	12	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	12	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	12	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	12	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	12	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	12	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	12	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	12	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	12	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	12	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	12	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	12	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	13	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	13	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	13	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	13	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	13	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	13	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	13	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	13	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	13	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	13	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	13	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	13	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	16	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	16	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	16	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	16	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	16	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	16	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	16	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	16	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	16	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	16	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	16	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	16	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	17	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	17	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	17	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	17	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	17	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	17	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	17	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	17	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	17	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	17	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	17	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	18	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	18	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	18	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	18	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	18	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	18	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	18	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	18	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	18	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	18	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	18	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	18	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	19	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	19	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	19	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	19	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	19	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	19	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	19	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	19	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	19	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	19	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	19	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	19	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	20	0.2
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	20	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	20	0.2
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	20	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	20	0.2
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	20	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	20	0.2
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	20	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	20	0.2
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	20	0.2
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	20	0.2
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	2	0.2
(1,83)	1:4:A:LEU:H	1:6:A:LYS:H	8	0.2
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	15	0.2
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	15	0.2
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	15	0.2
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	15	0.2
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	2	0.19
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	11	0.19
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	13	0.19
(3,4)	1:6:A:LYS:O	1:10:A:ASP:N	20	0.19
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	3	0.19
(1,376)	1:13:A:LEU:HA	1:14:A:GLN:H	16	0.19
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	6	0.19
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	6	0.19
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	15	0.19
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	15	0.19
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	4	0.19
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	2	0.19
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	9	0.19
(1,344)	1:12:A:ILE:HB	1:13:A:LEU:HA	14	0.19
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	1	0.19
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	1	0.19
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	4	0.19
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	4	0.19
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	7	0.19
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	7	0.19
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	12	0.19
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	12	0.19
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	17	0.19
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	17	0.19
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	19	0.19
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	19	0.19
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	20	0.19
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	20	0.19
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	1	0.19
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	3	0.19
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	4	0.19
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	5	0.19
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	6	0.19
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	7	0.19
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	10	0.19
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	11	0.19
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	12	0.19
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	13	0.19
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	14	0.19
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	16	0.19
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	17	0.19
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	18	0.19
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	19	0.19
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	20	0.19
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	3	0.19
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	3	0.19
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	4	0.19
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	4	0.19
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	5	0.19
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	5	0.19
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	6	0.19
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	6	0.19
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	7	0.19
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	7	0.19
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	9	0.19
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	9	0.19
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	10	0.19
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	10	0.19
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	12	0.19
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	12	0.19
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	15	0.19
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	15	0.19
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	16	0.19
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	16	0.19
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	19	0.19
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	19	0.19
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	4	0.19
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	4	0.19
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	2	0.19
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	2	0.19
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	3	0.19
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	3	0.19
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	9	0.19
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	9	0.19
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	10	0.19
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	11	0.19
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	11	0.19
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	12	0.19
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	12	0.19
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	15	0.19
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	15	0.19
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	1	0.19
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	1	0.19
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	1	0.19
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	1	0.19
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	1	0.19
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	1	0.19
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	1	0.19
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	1	0.19
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	1	0.19
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	1	0.19
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	1	0.19
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	1	0.19
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	2	0.19
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	2	0.19
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	2	0.19
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	2	0.19
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	2	0.19
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	2	0.19
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	2	0.19
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	2	0.19
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	2	0.19
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	2	0.19
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	2	0.19
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	2	0.19
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	8	0.19
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	8	0.19
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	8	0.19
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	8	0.19
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	8	0.19
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	8	0.19
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	8	0.19
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	8	0.19
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	8	0.19
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	8	0.19
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	8	0.19
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	1	0.19
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	1	0.19
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	1	0.19
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	1	0.19
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	1	0.19
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	1	0.19
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	1	0.19
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	1	0.19
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	1	0.19
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	1	0.19
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	1	0.19
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	1	0.19
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	2	0.19
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	2	0.19
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	2	0.19
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	2	0.19
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	2	0.19
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	2	0.19
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	2	0.19
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	2	0.19
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	2	0.19
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	2	0.19
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	2	0.19
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	2	0.19
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	8	0.19
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	8	0.19
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	8	0.19
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	8	0.19
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	8	0.19
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	8	0.19
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	8	0.19
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	8	0.19
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	8	0.19
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	8	0.19
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	8	0.19
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	8	0.19
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	3	0.19
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	3	0.19
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	3	0.19
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	3	0.19
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	4	0.19
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	4	0.19
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	4	0.19
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	12	0.19
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	12	0.19
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	12	0.19
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	12	0.19
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	18	0.19
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	18	0.19
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	18	0.19
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	18	0.19
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	6	0.19
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	6	0.19
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	6	0.19
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	6	0.19
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	3	0.18
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	13	0.18
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	16	0.18
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	1	0.18
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	1	0.18
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	1	0.18
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	6	0.18
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	6	0.18
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	6	0.18
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	8	0.18
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	8	0.18
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	8	0.18
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	10	0.18
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	10	0.18
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	10	0.18
(1,386)	1:13:A:LEU:HA	1:16:A:LYS:HG2	5	0.18
(1,386)	1:13:A:LEU:HA	1:16:A:LYS:HG3	5	0.18
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	8	0.18
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	8	0.18
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	10	0.18
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	10	0.18
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	11	0.18
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	11	0.18
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	6	0.18
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	8	0.18
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	10	0.18
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	11	0.18
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	1	0.18
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	1	0.18
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	1	0.18
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	6	0.18
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	6	0.18
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	6	0.18
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	8	0.18
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	8	0.18
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	8	0.18
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	10	0.18
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	10	0.18
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	10	0.18
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	14	0.18
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	2	0.18
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	9	0.18
(1,279)	1:10:A:ASP:HA	1:11:A:PHE:H	15	0.18
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	1	0.18
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	1	0.18
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	2	0.18
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	2	0.18
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	8	0.18
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	8	0.18
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	11	0.18
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	11	0.18
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	13	0.18
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	13	0.18
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	17	0.18
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	17	0.18
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	18	0.18
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	18	0.18
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	20	0.18
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	20	0.18
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	7	0.18
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	7	0.18
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	12	0.18
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	12	0.18
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	16	0.18
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	16	0.18
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	14	0.18
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	14	0.18
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	14	0.18
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	14	0.18
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	14	0.18
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	14	0.18
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	14	0.18
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	14	0.18
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	14	0.18
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	14	0.18
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	14	0.18
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	14	0.18
(1,92)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	14	0.18
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	14	0.18
(1,92)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	14	0.18
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	14	0.18
(1,92)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	14	0.18
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	14	0.18
(1,92)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	14	0.18
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	14	0.18
(1,92)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	14	0.18
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	14	0.18
(1,92)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	14	0.18
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	9	0.18
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	9	0.18
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	9	0.18
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	9	0.18
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	11	0.18
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	11	0.18
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	11	0.18
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	11	0.18
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	14	0.18
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	14	0.18
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	14	0.18
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	14	0.18
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	7	0.18
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	7	0.18
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	7	0.18
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	7	0.18
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB2	10	0.18
(1,23)	1:2:A:MET:HG2	1:5:A:SER:HB3	10	0.18
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB2	10	0.18
(1,23)	1:2:A:MET:HG3	1:5:A:SER:HB3	10	0.18
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	3	0.17
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	3	0.17
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	4	0.17
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	4	0.17
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	4	0.17
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	7	0.17
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	7	0.17
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	7	0.17
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	11	0.17
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	11	0.17
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	11	0.17
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	12	0.17
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	12	0.17
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	12	0.17
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	13	0.17
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	13	0.17
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	13	0.17
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	14	0.17
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	14	0.17
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	14	0.17
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	15	0.17
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	15	0.17
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	15	0.17
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	16	0.17
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	16	0.17
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	16	0.17
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	17	0.17
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	17	0.17
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	17	0.17
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	19	0.17
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	19	0.17
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	19	0.17
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	20	0.17
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	20	0.17
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	20	0.17
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	3	0.17
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	3	0.17
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	3	0.17
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	4	0.17
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	4	0.17
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	4	0.17
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	7	0.17
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	7	0.17
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	11	0.17
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	11	0.17
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	11	0.17
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	12	0.17
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	12	0.17
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	12	0.17
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	13	0.17
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	13	0.17
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	13	0.17
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	14	0.17
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	14	0.17
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	14	0.17
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	15	0.17
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	15	0.17
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	15	0.17
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	16	0.17
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	16	0.17
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	16	0.17
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	17	0.17
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	17	0.17
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	17	0.17
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	19	0.17
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	19	0.17
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	19	0.17
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	20	0.17
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	20	0.17
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	20	0.17
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	2	0.17
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	2	0.17
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	5	0.17
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	5	0.17
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	6	0.17
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	6	0.17
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	18	0.17
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	18	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	1	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	2	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	3	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	4	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	5	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	7	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	8	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	9	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	10	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	11	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	12	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	13	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	15	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	16	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	17	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	18	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	19	0.17
(1,307)	1:11:A:PHE:HA	1:12:A:ILE:H	20	0.17
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	1	0.17
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	1	0.17
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	8	0.17
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	8	0.17
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	17	0.17
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	17	0.17
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	18	0.17
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	18	0.17
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	19	0.17
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	19	0.17
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	20	0.17
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	20	0.17
(1,204)	1:8:A:PHE:HB2	1:10:A:ASP:H	14	0.17
(1,204)	1:8:A:PHE:HB3	1:10:A:ASP:H	14	0.17
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	10	0.17
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	10	0.17
(1,100)	1:4:A:LEU:HB2	1:8:A:PHE:HZ	14	0.17
(1,100)	1:4:A:LEU:HB3	1:8:A:PHE:HZ	14	0.17
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	16	0.17
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	16	0.17
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	16	0.17
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	16	0.17
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	4	0.16
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	5	0.16
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	5	0.16
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	5	0.16
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	18	0.16
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	18	0.16
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	2	0.16
(1,374)	1:13:A:LEU:HG	1:13:A:LEU:H	9	0.16
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	5	0.16
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	5	0.16
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	5	0.16
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	18	0.16
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	18	0.16
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	18	0.16
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	8	0.16
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	8	0.16
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	9	0.16
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	9	0.16
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	10	0.16
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	10	0.16
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	11	0.16
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	11	0.16
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	15	0.16
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	15	0.16
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	2	0.16
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	2	0.16
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	3	0.16
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	3	0.16
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	4	0.16
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	4	0.16
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	5	0.16
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	5	0.16
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	6	0.16
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	6	0.16
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	7	0.16
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	7	0.16
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	9	0.16
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	9	0.16
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	10	0.16
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	10	0.16
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	11	0.16
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	11	0.16
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	12	0.16
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	12	0.16
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	15	0.16
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	15	0.16
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	16	0.16
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	1	0.16
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	1	0.16
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	2	0.16
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	2	0.16
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	3	0.16
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	3	0.16
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	5	0.16
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	5	0.16
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	6	0.16
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	6	0.16
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	8	0.16
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	8	0.16
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	11	0.16
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	11	0.16
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	20	0.16
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	20	0.16
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	4	0.16
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	4	0.16
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	4	0.16
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	4	0.16
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	4	0.16
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	4	0.16
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD2	5	0.16
(1,24)	1:2:A:MET:HB2	1:6:A:LYS:HD3	5	0.16
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD2	5	0.16
(1,24)	1:2:A:MET:HB3	1:6:A:LYS:HD3	5	0.16
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	5	0.15
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	12	0.15
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	2	0.15
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	2	0.15
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	2	0.15
(2,11)	1:12:A:ILE:HD11	1:13:A:LEU:H	9	0.15
(2,11)	1:12:A:ILE:HD12	1:13:A:LEU:H	9	0.15
(2,11)	1:12:A:ILE:HD13	1:13:A:LEU:H	9	0.15
(1,461)	1:17:A:LYS:HD2	1:17:A:LYS:H	14	0.15
(1,461)	1:17:A:LYS:HD3	1:17:A:LYS:H	14	0.15
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD2	14	0.15
(1,439)	1:15:A:ARG:HD2	1:17:A:LYS:HD3	14	0.15
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD2	14	0.15
(1,439)	1:15:A:ARG:HD3	1:17:A:LYS:HD3	14	0.15
(1,386)	1:13:A:LEU:HA	1:16:A:LYS:HG2	18	0.15
(1,386)	1:13:A:LEU:HA	1:16:A:LYS:HG3	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	2	0.15
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	2	0.15
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	2	0.15
(1,350)	1:12:A:ILE:HD11	1:13:A:LEU:H	9	0.15
(1,350)	1:12:A:ILE:HD12	1:13:A:LEU:H	9	0.15
(1,350)	1:12:A:ILE:HD13	1:13:A:LEU:H	9	0.15
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	2	0.15
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	2	0.15
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	9	0.15
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	9	0.15
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	2	0.15
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	2	0.15
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	9	0.15
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	9	0.15
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	14	0.15
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	14	0.15
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	9	0.15
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	9	0.15
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	15	0.15
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	15	0.15
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	17	0.15
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	17	0.15
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	18	0.15
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	18	0.15
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD2	19	0.15
(1,163)	1:6:A:LYS:HA	1:9:A:ARG:HD3	19	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	1	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	1	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	1	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	1	0.15
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	1	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	1	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	2	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	2	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	2	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	2	0.15
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	2	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	2	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	3	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	3	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	3	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	3	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	3	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	5	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	5	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	5	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	5	0.15
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	5	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	5	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	6	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	6	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	6	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	6	0.15
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	6	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	6	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	7	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	7	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	7	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	7	0.15
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	7	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	7	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	8	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	8	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	8	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	8	0.15
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	8	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	8	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	9	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	9	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	9	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	9	0.15
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	9	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	9	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	10	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	10	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	10	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	10	0.15
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	10	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	10	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	11	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	11	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	11	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	11	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	11	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	12	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	12	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	12	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	12	0.15
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	12	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	12	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	13	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	13	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	13	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	13	0.15
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	13	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	13	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	15	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	15	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	15	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	15	0.15
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	15	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	15	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	16	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	16	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	16	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	16	0.15
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	16	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	16	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	17	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	17	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	17	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	17	0.15
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	17	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	17	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	18	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	18	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	18	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	18	0.15
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	18	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	18	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	19	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	19	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	19	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	19	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	19	0.15
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	20	0.15
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	20	0.15
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	20	0.15
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	20	0.15
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	20	0.15
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	20	0.15
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	1	0.14
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	2	0.14
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	3	0.14
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	7	0.14
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	9	0.14
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	10	0.14
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	11	0.14
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	15	0.14
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	16	0.14
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	17	0.14
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	19	0.14
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	20	0.14
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	2	0.14
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	2	0.14
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	14	0.14
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	14	0.14
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	1	0.14
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	1	0.14
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	4	0.14
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	4	0.14
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	6	0.14
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	6	0.14
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	7	0.14
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	7	0.14
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	8	0.14
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	8	0.14
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	10	0.14
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	10	0.14
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	11	0.14
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	11	0.14
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	12	0.14
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	12	0.14
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	13	0.14
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	14	0.14
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	14	0.14
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	15	0.14
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	15	0.14
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	17	0.14
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	17	0.14
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	19	0.14
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	19	0.14
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	1	0.14
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	1	0.14
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	4	0.14
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	4	0.14
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	6	0.14
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	6	0.14
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	7	0.14
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	7	0.14
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	8	0.14
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	8	0.14
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	10	0.14
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	10	0.14
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	11	0.14
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	11	0.14
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	12	0.14
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	12	0.14
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	13	0.14
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	13	0.14
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	14	0.14
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	14	0.14
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	15	0.14
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	15	0.14
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	17	0.14
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	17	0.14
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	19	0.14
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	19	0.14
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	14	0.14
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	14	0.14
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	13	0.14
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	13	0.14
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD2	7	0.14
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD3	7	0.14
(3,7)	1:8:A:PHE:O	1:12:A:ILE:H	14	0.13
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	8	0.13
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	18	0.13
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD2	9	0.13
(1,430)	1:15:A:ARG:HA	1:16:A:LYS:HD3	9	0.13
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	2	0.13
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	2	0.13
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG2	9	0.13
(1,375)	1:13:A:LEU:HA	1:14:A:GLN:HG3	9	0.13
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	1	0.13
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	1	0.13
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	3	0.13
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	3	0.13
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	4	0.13
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	4	0.13
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	6	0.13
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	6	0.13
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	8	0.13
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	8	0.13
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	10	0.13
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	10	0.13
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	11	0.13
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	11	0.13
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	15	0.13
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	15	0.13
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	16	0.13
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	16	0.13
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	5	0.13
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	5	0.13
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	18	0.13
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	18	0.13
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	20	0.13
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	20	0.13
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	5	0.13
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	5	0.13
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	18	0.13
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	18	0.13
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	20	0.13
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	20	0.13
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	3	0.13
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	3	0.13
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB2	16	0.13
(1,320)	1:11:A:PHE:HA	1:14:A:GLN:HB3	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD2	4	0.13
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD3	4	0.13
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD2	5	0.13
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD3	5	0.13
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD2	10	0.13
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD3	10	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	1	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	1	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	6	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	6	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	7	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	7	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	8	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	8	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	9	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	9	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	13	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	13	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	16	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	16	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	17	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	17	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	18	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	18	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	19	0.13
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	19	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	1	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	1	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	6	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	6	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	7	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	7	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	8	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	8	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	9	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	9	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	13	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	13	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	16	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	16	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	17	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	18	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	18	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	19	0.13
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	19	0.13
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB2	1	0.13
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB3	1	0.13
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB2	6	0.13
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB3	6	0.13
(3,2)	1:5:A:SER:O	1:9:A:ARG:N	13	0.12
(1,461)	1:17:A:LYS:HD2	1:17:A:LYS:H	2	0.12
(1,461)	1:17:A:LYS:HD3	1:17:A:LYS:H	2	0.12
(1,461)	1:17:A:LYS:HD2	1:17:A:LYS:H	8	0.12
(1,461)	1:17:A:LYS:HD3	1:17:A:LYS:H	8	0.12
(1,461)	1:17:A:LYS:HD2	1:17:A:LYS:H	9	0.12
(1,461)	1:17:A:LYS:HD3	1:17:A:LYS:H	9	0.12
(1,461)	1:17:A:LYS:HD2	1:17:A:LYS:H	10	0.12
(1,461)	1:17:A:LYS:HD3	1:17:A:LYS:H	10	0.12
(1,461)	1:17:A:LYS:HD2	1:17:A:LYS:H	11	0.12
(1,461)	1:17:A:LYS:HD3	1:17:A:LYS:H	11	0.12
(1,461)	1:17:A:LYS:HD2	1:17:A:LYS:H	15	0.12
(1,461)	1:17:A:LYS:HD3	1:17:A:LYS:H	15	0.12
(1,460)	1:17:A:LYS:HB2	1:17:A:LYS:H	14	0.12
(1,460)	1:17:A:LYS:HB3	1:17:A:LYS:H	14	0.12
(1,454)	1:16:A:LYS:H	1:17:A:LYS:H	3	0.12
(1,454)	1:16:A:LYS:H	1:17:A:LYS:H	16	0.12
(1,447)	1:16:A:LYS:HD2	1:16:A:LYS:H	14	0.12
(1,447)	1:16:A:LYS:HD3	1:16:A:LYS:H	14	0.12
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB2	1	0.12
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB3	1	0.12
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB2	4	0.12
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB3	4	0.12
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB2	7	0.12
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB3	7	0.12
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB2	12	0.12
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB3	12	0.12
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB2	13	0.12
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB3	13	0.12
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB2	17	0.12
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB3	17	0.12
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB2	20	0.12
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB3	20	0.12
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	7	0.12
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	12	0.12
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	12	0.12
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	13	0.12
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	13	0.12
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	14	0.12
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	14	0.12
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	17	0.12
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	17	0.12
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	18	0.12
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	18	0.12
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	19	0.12
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	19	0.12
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	20	0.12
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	20	0.12
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD11	3	0.12
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD12	3	0.12
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD13	3	0.12
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD21	3	0.12
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD22	3	0.12
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD23	3	0.12
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD11	16	0.12
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD12	16	0.12
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD13	16	0.12
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD21	16	0.12
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD22	16	0.12
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD23	16	0.12
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	3	0.12
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	3	0.12
(1,339)	1:12:A:ILE:HG12	1:12:A:ILE:H	16	0.12
(1,339)	1:12:A:ILE:HG13	1:12:A:ILE:H	16	0.12
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	3	0.12
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	3	0.12
(1,337)	1:12:A:ILE:HG12	1:12:A:ILE:H	16	0.12
(1,337)	1:12:A:ILE:HG13	1:12:A:ILE:H	16	0.12
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	9	0.12
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	9	0.12
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	12	0.12
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	12	0.12
(1,284)	1:10:A:ASP:H	1:11:A:PHE:HA	3	0.12
(1,284)	1:10:A:ASP:H	1:11:A:PHE:HA	16	0.12
(1,254)	1:9:A:ARG:HB2	1:10:A:ASP:H	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,254)	1:9:A:ARG:HB3	1:10:A:ASP:H	14	0.12
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD2	12	0.12
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD3	12	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	2	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	2	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	3	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	3	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	4	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	4	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	5	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	5	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	10	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	10	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	11	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	11	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	12	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	12	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	14	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	14	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	15	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	15	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB2	20	0.12
(1,157)	1:6:A:LYS:H	1:7:A:PHE:HB3	20	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	2	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	2	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	3	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	3	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	4	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	4	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	5	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	5	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	10	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	10	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	11	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	11	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	12	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	12	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	14	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	14	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	15	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	15	0.12
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB2	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,156)	1:6:A:LYS:H	1:7:A:PHE:HB3	20	0.12
(1,104)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	14	0.12
(1,104)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	14	0.12
(1,104)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	14	0.12
(1,104)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	14	0.12
(1,104)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	14	0.12
(1,104)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	14	0.12
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB2	3	0.12
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB3	3	0.12
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB2	10	0.12
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB3	10	0.12
(1,461)	1:17:A:LYS:HD2	1:17:A:LYS:H	6	0.11
(1,461)	1:17:A:LYS:HD3	1:17:A:LYS:H	6	0.11
(1,447)	1:16:A:LYS:HD2	1:16:A:LYS:H	8	0.11
(1,447)	1:16:A:LYS:HD3	1:16:A:LYS:H	8	0.11
(1,447)	1:16:A:LYS:HD2	1:16:A:LYS:H	10	0.11
(1,447)	1:16:A:LYS:HD3	1:16:A:LYS:H	10	0.11
(1,447)	1:16:A:LYS:HD2	1:16:A:LYS:H	11	0.11
(1,447)	1:16:A:LYS:HD3	1:16:A:LYS:H	11	0.11
(1,447)	1:16:A:LYS:HD2	1:16:A:LYS:H	15	0.11
(1,447)	1:16:A:LYS:HD3	1:16:A:LYS:H	15	0.11
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB2	19	0.11
(1,357)	1:12:A:ILE:HB	1:15:A:ARG:HB3	19	0.11
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	2	0.11
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	2	0.11
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	5	0.11
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	5	0.11
(1,351)	1:12:A:ILE:HG12	1:13:A:LEU:H	9	0.11
(1,351)	1:12:A:ILE:HG13	1:13:A:LEU:H	9	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD11	1	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD12	1	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD13	1	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD21	1	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD22	1	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD23	1	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD11	4	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD12	4	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD13	4	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD21	4	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD22	4	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD23	4	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD11	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD12	5	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD13	5	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD21	5	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD22	5	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD23	5	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD11	18	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD12	18	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD13	18	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD21	18	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD22	18	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD23	18	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD11	20	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD12	20	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD13	20	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD21	20	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD22	20	0.11
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD23	20	0.11
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	2	0.11
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	2	0.11
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	11	0.11
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	11	0.11
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	16	0.11
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	16	0.11
(1,284)	1:10:A:ASP:H	1:11:A:PHE:HA	5	0.11
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD2	3	0.11
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD3	3	0.11
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD2	6	0.11
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD3	6	0.11
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD2	16	0.11
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD3	16	0.11
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD2	17	0.11
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD3	17	0.11
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD2	18	0.11
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD3	18	0.11
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD2	20	0.11
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD3	20	0.11
(1,164)	1:6:A:LYS:HA	1:9:A:ARG:H	9	0.11
(1,144)	1:6:A:LYS:HG2	1:6:A:LYS:H	14	0.11
(1,144)	1:6:A:LYS:HG3	1:6:A:LYS:H	14	0.11
(1,117)	1:5:A:SER:H	1:6:A:LYS:HD2	8	0.11
(1,117)	1:5:A:SER:H	1:6:A:LYS:HD3	8	0.11
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	4	0.11
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	4	0.11
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	4	0.11
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	4	0.11
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	4	0.11
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	4	0.11
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	4	0.11
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	4	0.11
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	4	0.11
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	4	0.11
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	4	0.11
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	15	0.11
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	15	0.11
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	15	0.11
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	15	0.11
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	15	0.11
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	15	0.11
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	15	0.11
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	15	0.11
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	15	0.11
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	15	0.11
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	15	0.11
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	15	0.11
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	4	0.11
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	4	0.11
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	4	0.11
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	4	0.11
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	4	0.11
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	4	0.11
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	4	0.11
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	4	0.11
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	4	0.11
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	4	0.11
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	4	0.11
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	4	0.11
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	15	0.11
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	15	0.11
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	15	0.11
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	15	0.11
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	15	0.11
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	15	0.11
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	15	0.11
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	15	0.11
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	15	0.11
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	15	0.11
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	15	0.11
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB2	7	0.11
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB3	7	0.11
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB2	17	0.11
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB3	17	0.11
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB2	20	0.11
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB3	20	0.11
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB2	1	0.11
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB3	1	0.11
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB2	1	0.11
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB3	1	0.11
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB2	3	0.11
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB3	3	0.11
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB2	3	0.11
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB3	3	0.11
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB2	5	0.11
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB3	5	0.11
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB2	5	0.11
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB3	5	0.11
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB2	9	0.11
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB3	9	0.11
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB2	9	0.11
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB3	9	0.11
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB2	12	0.11
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB3	12	0.11
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB2	12	0.11
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB3	12	0.11
(1,454)	1:16:A:LYS:H	1:17:A:LYS:H	1	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD11	7	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD12	7	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD13	7	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD21	7	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD22	7	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD23	7	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD11	12	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD12	12	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD13	12	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD21	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD22	12	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD23	12	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD11	13	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD12	13	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD13	13	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD21	13	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD22	13	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD23	13	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD11	17	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD12	17	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD13	17	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD21	17	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD22	17	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD23	17	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD11	19	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD12	19	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD13	19	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD21	19	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD22	19	0.1
(1,341)	1:12:A:ILE:HA	1:13:A:LEU:HD23	19	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	3	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	3	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	5	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	5	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	6	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	6	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	7	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	7	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	8	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	8	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	10	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	10	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	13	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	13	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	15	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	15	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	17	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	17	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	19	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	19	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE21	20	0.1
(1,321)	1:11:A:PHE:HA	1:14:A:GLN:HE22	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,284)	1:10:A:ASP:H	1:11:A:PHE:HA	1	0.1
(1,284)	1:10:A:ASP:H	1:11:A:PHE:HA	4	0.1
(1,284)	1:10:A:ASP:H	1:11:A:PHE:HA	7	0.1
(1,284)	1:10:A:ASP:H	1:11:A:PHE:HA	12	0.1
(1,284)	1:10:A:ASP:H	1:11:A:PHE:HA	17	0.1
(1,284)	1:10:A:ASP:H	1:11:A:PHE:HA	18	0.1
(1,284)	1:10:A:ASP:H	1:11:A:PHE:HA	19	0.1
(1,284)	1:10:A:ASP:H	1:11:A:PHE:HA	20	0.1
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD2	15	0.1
(1,233)	1:9:A:ARG:HA	1:9:A:ARG:HD3	15	0.1
(1,164)	1:6:A:LYS:HA	1:9:A:ARG:H	1	0.1
(1,164)	1:6:A:LYS:HA	1:9:A:ARG:H	2	0.1
(1,164)	1:6:A:LYS:HA	1:9:A:ARG:H	6	0.1
(1,164)	1:6:A:LYS:HA	1:9:A:ARG:H	8	0.1
(1,164)	1:6:A:LYS:HA	1:9:A:ARG:H	11	0.1
(1,164)	1:6:A:LYS:HA	1:9:A:ARG:H	12	0.1
(1,164)	1:6:A:LYS:HA	1:9:A:ARG:H	17	0.1
(1,164)	1:6:A:LYS:HA	1:9:A:ARG:H	18	0.1
(1,164)	1:6:A:LYS:HA	1:9:A:ARG:H	19	0.1
(1,164)	1:6:A:LYS:HA	1:9:A:ARG:H	20	0.1
(1,117)	1:5:A:SER:H	1:6:A:LYS:HD2	2	0.1
(1,117)	1:5:A:SER:H	1:6:A:LYS:HD3	2	0.1
(1,117)	1:5:A:SER:H	1:6:A:LYS:HD2	16	0.1
(1,117)	1:5:A:SER:H	1:6:A:LYS:HD3	16	0.1
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	7	0.1
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	7	0.1
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	7	0.1
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	7	0.1
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	7	0.1
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	7	0.1
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	7	0.1
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	7	0.1
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	7	0.1
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	7	0.1
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	7	0.1
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	7	0.1
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	10	0.1
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	10	0.1
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	10	0.1
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	10	0.1
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	10	0.1
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	10	0.1
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	10	0.1
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	10	0.1
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	10	0.1
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	10	0.1
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	10	0.1
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	13	0.1
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	13	0.1
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	13	0.1
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	13	0.1
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	13	0.1
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	13	0.1
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	13	0.1
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	13	0.1
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	13	0.1
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	13	0.1
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	13	0.1
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	13	0.1
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	17	0.1
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	17	0.1
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	17	0.1
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	17	0.1
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	17	0.1
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	17	0.1
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	17	0.1
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	17	0.1
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	17	0.1
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	17	0.1
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	17	0.1
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	17	0.1
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	18	0.1
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	18	0.1
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	18	0.1
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	18	0.1
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	18	0.1
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	18	0.1
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	18	0.1
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	18	0.1
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	18	0.1
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	18	0.1
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	18	0.1
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	19	0.1
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	19	0.1
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	19	0.1
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	19	0.1
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	19	0.1
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	19	0.1
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	19	0.1
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	19	0.1
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	19	0.1
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	19	0.1
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	19	0.1
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	19	0.1
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	20	0.1
(1,95)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	20	0.1
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	20	0.1
(1,95)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	20	0.1
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	20	0.1
(1,95)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	20	0.1
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	20	0.1
(1,95)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	20	0.1
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	20	0.1
(1,95)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	20	0.1
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	20	0.1
(1,95)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	20	0.1
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	7	0.1
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	7	0.1
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	7	0.1
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	7	0.1
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	7	0.1
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	7	0.1
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	7	0.1
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	7	0.1
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	7	0.1
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	7	0.1
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	7	0.1
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	7	0.1
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	10	0.1
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	10	0.1
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	10	0.1
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	10	0.1
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	10	0.1
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	10	0.1
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	10	0.1
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	10	0.1
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	10	0.1
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	10	0.1
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	10	0.1
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	13	0.1
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	13	0.1
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	13	0.1
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	13	0.1
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	13	0.1
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	13	0.1
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	13	0.1
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	13	0.1
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	13	0.1
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	13	0.1
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	13	0.1
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	13	0.1
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	17	0.1
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	17	0.1
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	17	0.1
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	17	0.1
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	17	0.1
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	17	0.1
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	17	0.1
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	17	0.1
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	17	0.1
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	17	0.1
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	17	0.1
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	17	0.1
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	18	0.1
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	18	0.1
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	18	0.1
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	18	0.1
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	18	0.1
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	18	0.1
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	18	0.1
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	18	0.1
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	18	0.1
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	18	0.1
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	18	0.1
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	19	0.1
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	19	0.1
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	19	0.1
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	19	0.1
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	19	0.1
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	19	0.1
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	19	0.1
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	19	0.1
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	19	0.1
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	19	0.1
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	19	0.1
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	19	0.1
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	20	0.1
(1,91)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	20	0.1
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	20	0.1
(1,91)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	20	0.1
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	20	0.1
(1,91)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	20	0.1
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	20	0.1
(1,91)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	20	0.1
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	20	0.1
(1,91)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	20	0.1
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	20	0.1
(1,91)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	20	0.1
(1,72)	1:4:A:LEU:HD11	1:5:A:SER:H	2	0.1
(1,72)	1:4:A:LEU:HD12	1:5:A:SER:H	2	0.1
(1,72)	1:4:A:LEU:HD13	1:5:A:SER:H	2	0.1
(1,72)	1:4:A:LEU:HD21	1:5:A:SER:H	2	0.1
(1,72)	1:4:A:LEU:HD22	1:5:A:SER:H	2	0.1
(1,72)	1:4:A:LEU:HD23	1:5:A:SER:H	2	0.1
(1,72)	1:4:A:LEU:HD11	1:5:A:SER:H	16	0.1
(1,72)	1:4:A:LEU:HD12	1:5:A:SER:H	16	0.1
(1,72)	1:4:A:LEU:HD13	1:5:A:SER:H	16	0.1
(1,72)	1:4:A:LEU:HD21	1:5:A:SER:H	16	0.1
(1,72)	1:4:A:LEU:HD22	1:5:A:SER:H	16	0.1
(1,72)	1:4:A:LEU:HD23	1:5:A:SER:H	16	0.1
(1,71)	1:4:A:LEU:HD11	1:5:A:SER:H	2	0.1
(1,71)	1:4:A:LEU:HD12	1:5:A:SER:H	2	0.1
(1,71)	1:4:A:LEU:HD13	1:5:A:SER:H	2	0.1
(1,71)	1:4:A:LEU:HD21	1:5:A:SER:H	2	0.1
(1,71)	1:4:A:LEU:HD22	1:5:A:SER:H	2	0.1
(1,71)	1:4:A:LEU:HD23	1:5:A:SER:H	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:4:A:LEU:HD11	1:5:A:SER:H	16	0.1
(1,71)	1:4:A:LEU:HD12	1:5:A:SER:H	16	0.1
(1,71)	1:4:A:LEU:HD13	1:5:A:SER:H	16	0.1
(1,71)	1:4:A:LEU:HD21	1:5:A:SER:H	16	0.1
(1,71)	1:4:A:LEU:HD22	1:5:A:SER:H	16	0.1
(1,71)	1:4:A:LEU:HD23	1:5:A:SER:H	16	0.1
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB2	13	0.1
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB3	13	0.1
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB2	16	0.1
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB3	16	0.1
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB2	19	0.1
(1,41)	1:3:A:ALA:HA	1:6:A:LYS:HB3	19	0.1
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB2	14	0.1
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB3	14	0.1
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB2	14	0.1
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB3	14	0.1
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB2	16	0.1
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB3	16	0.1
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB2	16	0.1
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB3	16	0.1
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB2	18	0.1
(1,13)	1:2:A:MET:HB2	1:4:A:LEU:HB3	18	0.1
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB2	18	0.1
(1,13)	1:2:A:MET:HB3	1:4:A:LEU:HB3	18	0.1

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

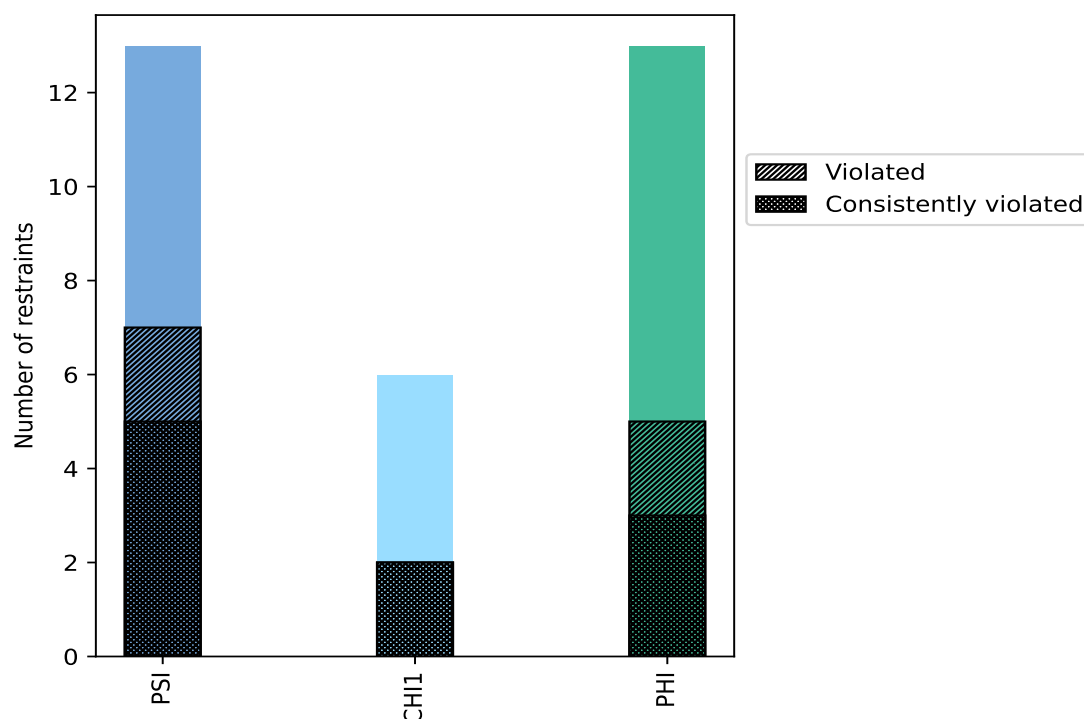
10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PSI	13	40.6	7	53.8	21.9	5	38.5	15.6
CHI1	6	18.8	2	33.3	6.2	2	33.3	6.2
PHI	13	40.6	5	38.5	15.6	3	23.1	9.4
Total	32	100.0	14	43.8	43.8	10	31.2	31.2

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations [i](#)



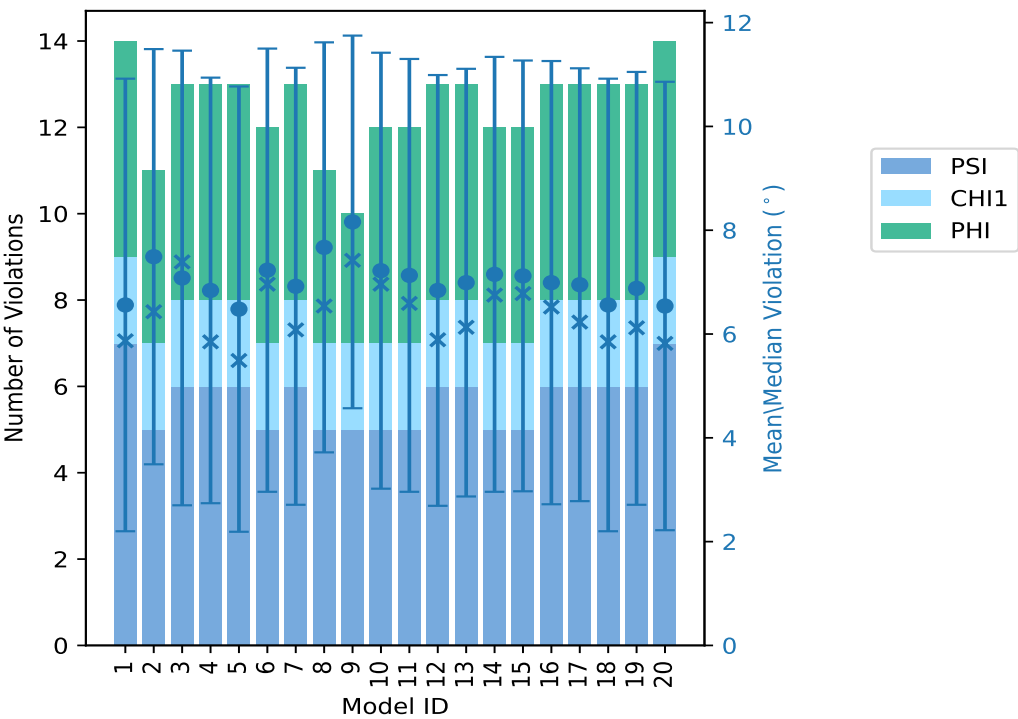
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model

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

Model ID	Number of violations				Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	CHI1	PHI	Total				
1	7	2	5	14	6.56	14.22	4.36	5.87
2	5	2	4	11	7.49	14.08	4.0	6.43
3	6	2	5	13	7.08	14.1	4.38	7.39
4	6	2	5	13	6.84	13.2	4.1	5.85
5	6	2	5	13	6.48	13.75	4.29	5.49
6	5	2	5	12	7.23	13.85	4.27	6.96
7	6	2	5	13	6.92	13.61	4.21	6.08
8	5	2	4	11	7.67	14.1	3.95	6.54
9	5	2	3	10	8.16	13.96	3.59	7.42
10	5	2	5	12	7.22	13.75	4.2	6.96
11	5	2	5	12	7.13	13.84	4.17	6.59
12	6	2	5	13	6.84	13.78	4.15	5.89
13	6	2	5	13	6.99	13.36	4.12	6.13
14	5	2	5	12	7.15	14.13	4.19	6.75
15	5	2	5	12	7.12	13.45	4.15	6.78
16	6	2	5	13	6.99	13.62	4.27	6.52
17	6	2	5	13	6.95	13.53	4.17	6.23
18	6	2	5	13	6.56	13.88	4.36	5.85
19	6	2	5	13	6.88	13.43	4.17	6.12
20	7	2	5	14	6.54	13.52	4.32	5.82

10.2.1 Bar graph : Dihedral violation statistics for each model ⓘ



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

10.3 Dihedral-angle violation statistics for the ensemble ⓘ

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

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

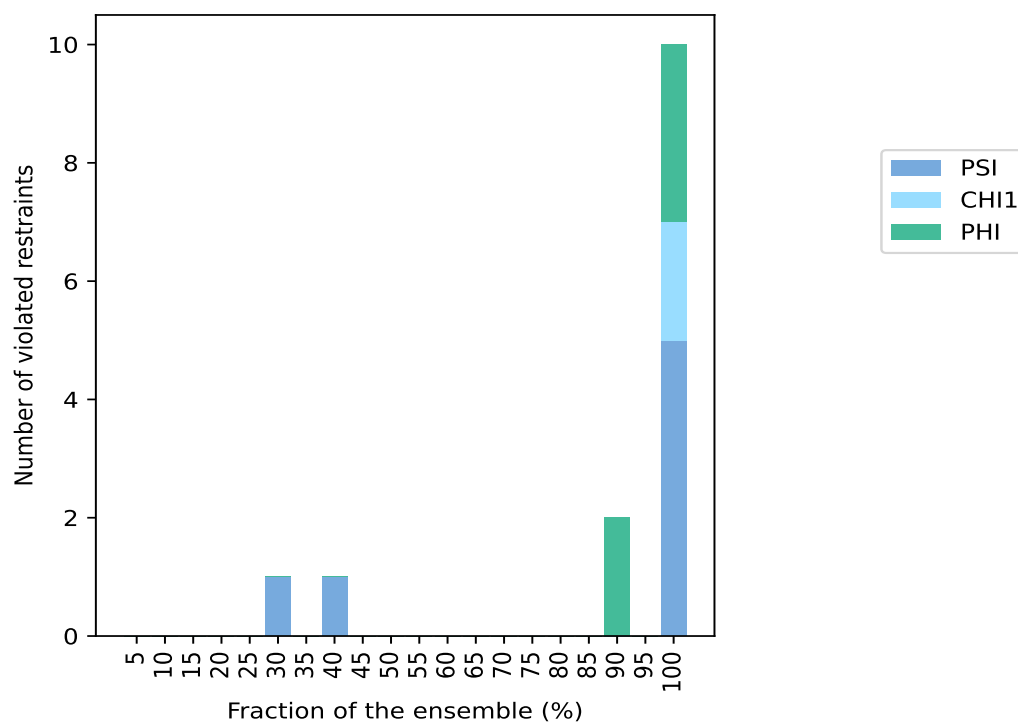
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Number of violated restraints				Fraction of the ensemble	
PSI	CHI1	PHI	Total	Count ¹	%
0	0	0	0	12	60.0
0	0	0	0	13	65.0
0	0	0	0	14	70.0
0	0	0	0	15	75.0
0	0	0	0	16	80.0
0	0	0	0	17	85.0
0	0	2	2	18	90.0
0	0	0	0	19	95.0
5	2	3	10	20	100.0

¹ Number of models with violations

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

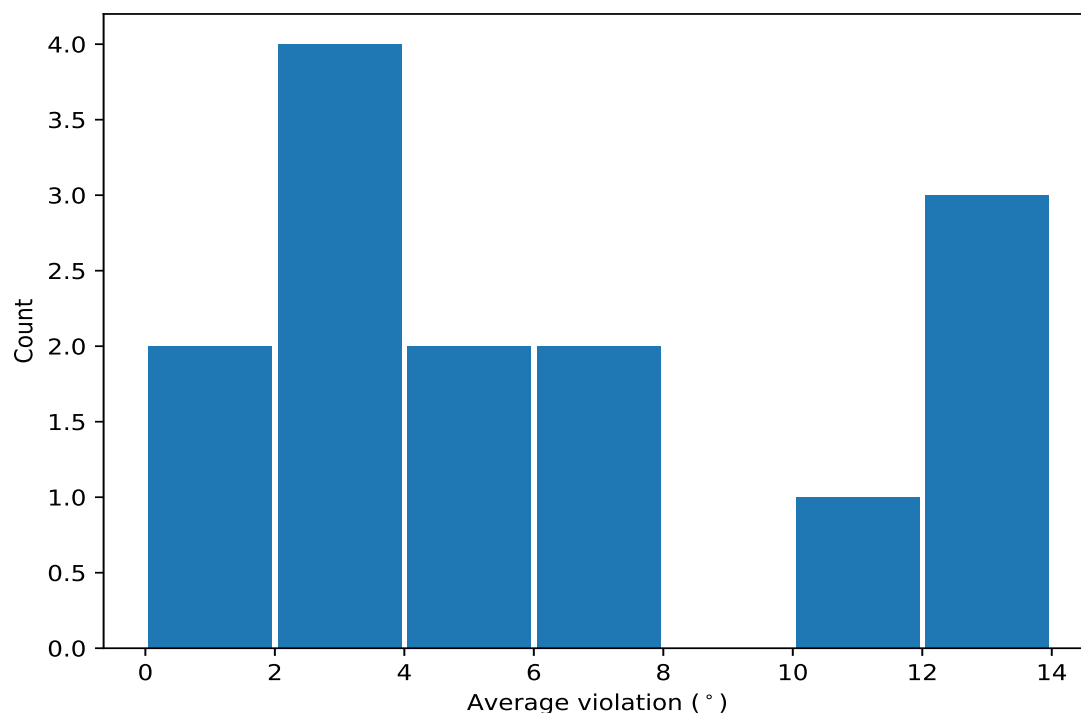


10.4 Most violated dihedral-angle restraints in the ensemble ⓘ

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 [i](#)

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

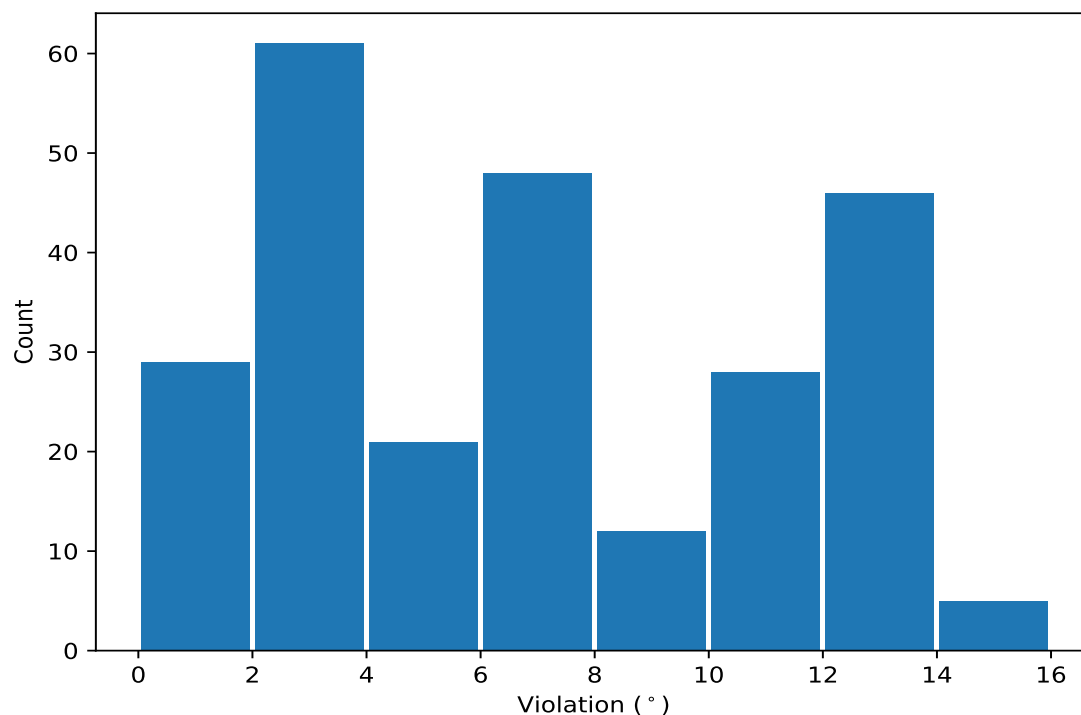
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	20	13.76	0.28	13.76
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	20	13.03	0.16	13.03
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	20	12.08	0.49	12.08
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	20	10.65	0.31	10.61
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	20	7.99	0.14	8.0
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	20	6.95	0.78	7.12
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	20	5.97	0.23	6.08
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	20	5.9	0.98	6.07
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	20	3.63	0.38	3.57
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	20	2.75	0.17	2.76
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	18	2.16	0.39	2.36
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	18	1.23	0.17	1.15
(1,26)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	8	3.32	0.06	3.34
(1,22)	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	1:14:A:GLN:N	6	1.85	0.51	2.09

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

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

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

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



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

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1	14.22
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	14	14.13
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	3	14.1
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	8	14.1
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	2	14.08
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	9	13.96
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	18	13.88
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	6	13.85
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	11	13.84
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	12	13.78
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	5	13.75
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	10	13.75
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	16	13.62
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	7	13.61

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	17	13.53
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	20	13.52
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	15	13.45
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	19	13.43
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	16	13.4
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	13	13.36
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	3	13.32
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	20	13.24
(1,1)	1:2:A:MET:C	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	4	13.2
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	17	13.16
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	3	13.14
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	1	13.09
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	5	13.08
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	12	13.07
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	18	13.07
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	16	13.05
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	13	13.04
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	4	13.03
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	19	13.03
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	6	13.01
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	7	12.99
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	14	12.97
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	10	12.92
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	8	12.91
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	11	12.91
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	2	12.83
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	15	12.82
(1,15)	1:9:A:ARG:C	1:10:A:ASP:N	1:10:A:ASP:CA	1:10:A:ASP:C	9	12.72
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	13	12.57
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	1	12.33
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	12	12.32
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	20	12.3
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	17	12.25
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	19	12.24
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	4	12.2
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	7	12.11
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	14	12.06
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	18	11.92
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	6	11.86
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	10	11.81
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	5	11.8
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	15	11.79
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	8	11.72
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	11	11.71
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	9	11.19
(1,30)	1:12:A:ILE:N	1:12:A:ILE:CA	1:12:A:ILE:CB	1:12:A:ILE:CG1	2	11.15
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	7	11.1
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	10	10.98
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	19	10.98
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	6	10.97
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	17	10.94

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	20	10.94
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	4	10.93
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	15	10.91
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	13	10.86
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	8	10.62
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	18	10.6
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	1	10.53
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	11	10.53
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	2	10.52
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	3	10.43
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	12	10.38
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	9	10.37
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	5	10.28
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	16	10.25
(1,27)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:CB	1:4:A:LEU:CG	14	9.98
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	13	8.23
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	20	8.19
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	1	8.16
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	3	8.13
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	8	8.07
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	18	8.07
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	2	8.04
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	17	8.04
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	19	8.02
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	7	8.01
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	7	8.0
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	6	7.99
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	11	7.97
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	10	7.95
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	16	7.95
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	5	7.92
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	4	7.91
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	9	7.9
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	15	7.89
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	12	7.79
(1,14)	1:9:A:ARG:N	1:9:A:ARG:CA	1:9:A:ARG:C	1:10:A:ASP:N	14	7.58
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	6	7.54
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	1	7.52
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	20	7.52
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	3	7.49
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	16	7.49
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	17	7.48
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	10	7.41
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	3	7.39
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	19	7.38
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	13	7.34
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	14	7.21
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	15	7.03
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	4	7.02
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	9	6.94
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	12	6.79

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	18	6.79
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	11	6.69
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	5	6.58
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	8	6.54
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	15	6.53
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	16	6.52
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	10	6.51
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	11	6.49
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	9	6.44
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	2	6.43
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	6	6.37
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	6	6.35
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	14	6.29
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	17	6.23
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	1	6.2
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	13	6.13
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	14	6.13
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	19	6.12
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	20	6.12
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	8	6.1
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	10	6.09
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	7	6.08
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	2	6.07
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	11	5.89
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	12	5.89
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	16	5.89
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	4	5.85
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	18	5.85
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	3	5.84
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	9	5.81
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	15	5.74
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	13	5.58
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	1	5.54
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	20	5.53
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	7	5.52
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	12	5.51
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	5	5.49
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	17	5.47
(1,4)	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1:5:A:SER:N	4	5.47
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	19	5.21
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	8	5.02
(1,2)	1:3:A:ALA:N	1:3:A:ALA:CA	1:3:A:ALA:C	1:4:A:LEU:N	2	4.79
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	8	4.67
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	2	4.54
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	16	3.83
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	5	3.8
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	11	3.74
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	4	3.73
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	18	3.69
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	18	3.66
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	12	3.65

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	15	3.6
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	9	3.59
(1,24)	1:14:A:GLN:N	1:14:A:GLN:CA	1:14:A:GLN:C	1:15:A:ARG:N	5	3.57
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	13	3.55
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	17	3.55
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	20	3.55
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	19	3.43
(1,26)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	12	3.41
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	10	3.4
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	3	3.38
(1,26)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	17	3.36
(1,26)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	1	3.35
(1,26)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	13	3.34
(1,26)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	19	3.34
(1,26)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	4	3.33
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	6	3.33
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	1	3.26
(1,26)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	7	3.23
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	14	3.22
(1,26)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:LYS:N	20	3.21
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	14	3.12
(1,3)	1:3:A:ALA:C	1:4:A:LEU:N	1:4:A:LEU:CA	1:4:A:LEU:C	7	3.09
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	8	2.97
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	13	2.93
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	11	2.89
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	2	2.87
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	12	2.82
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	17	2.82
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	18	2.81
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	1	2.79
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	16	2.78
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	6	2.77
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	20	2.76
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	19	2.75
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	9	2.71
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	10	2.67
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	3	2.65
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	7	2.65
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	16	2.61
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	3	2.59
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	1	2.58
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	5	2.56
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	20	2.5
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	15	2.48
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	19	2.44
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	12	2.43
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	4	2.4
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	13	2.39
(1,6)	1:5:A:SER:N	1:5:A:SER:CA	1:5:A:SER:C	1:6:A:LYS:N	4	2.38
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	17	2.37
(1,22)	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	1:14:A:GLN:N	16	2.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	7	2.34
(1,22)	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	1:14:A:GLN:N	3	2.28
(1,22)	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	1:14:A:GLN:N	5	2.21
(1,22)	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	1:14:A:GLN:N	18	1.97
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	18	1.88
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	5	1.82
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	10	1.82
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	15	1.8
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	11	1.76
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	6	1.71
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	8	1.69
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	14	1.59
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	13	1.53
(1,21)	1:12:A:ILE:C	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	14	1.52
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	4	1.44
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	5	1.41
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	10	1.37
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	15	1.36
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	3	1.26
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	7	1.25
(1,22)	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	1:14:A:GLN:N	1	1.22
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	16	1.18
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	17	1.13
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	11	1.12
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	12	1.11
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	20	1.1
(1,22)	1:13:A:LEU:N	1:13:A:LEU:CA	1:13:A:LEU:C	1:14:A:GLN:N	20	1.08
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	2	1.08
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	18	1.07
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	6	1.05
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	19	1.05
(1,7)	1:5:A:SER:C	1:6:A:LYS:N	1:6:A:LYS:CA	1:6:A:LYS:C	1	1.01