



Full wwPDB NMR Structure Validation Report ⓘ

Mar 1, 2026 – 08:59 AM UTC

PDB ID : 6CJ8 / pdb_00006cj8
BMRB ID : 30416
Title : CSP1
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Deposited on : 2018-02-26

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

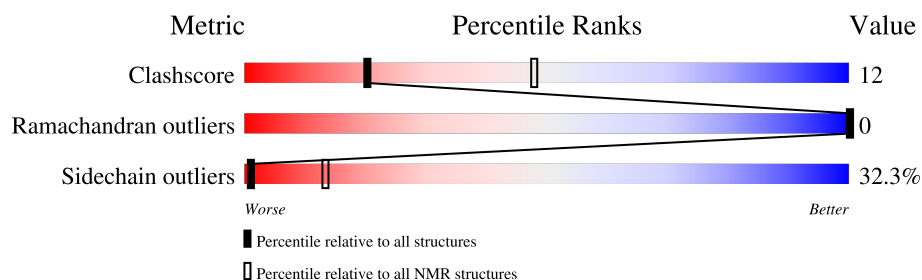
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 60%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	17	29% 41% 6% 12% 12%

2 Ensemble composition and analysis

This entry contains 20 models. Model 4 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *minimized average structure*.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:3-A:17 (15)	0.22	4

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

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

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

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

3 Entry composition [i](#)

There is only 1 type of molecule in this entry. The entry contains 330 atoms, of which 172 are hydrogens and 0 are deuteriums.

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

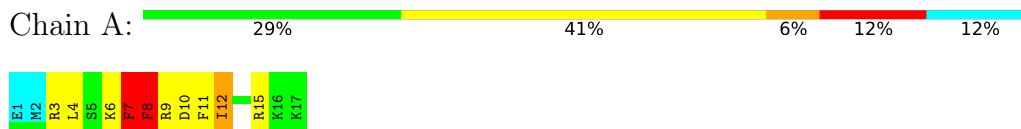
Mol	Chain	Residues	Atoms							Trace
1	A	17	Total	C	H	N	O	S		0
			330	103	172	30	24	1		

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

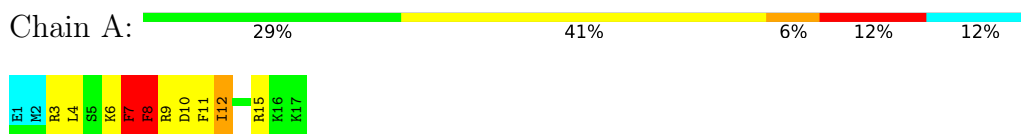


4.2 Scores per residue for each member of the ensemble

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

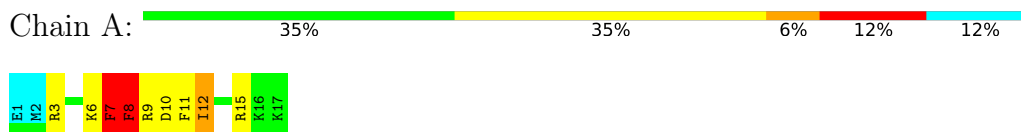
4.2.1 Score per residue for model 1

- Molecule 1: Competence-stimulating peptide type 1



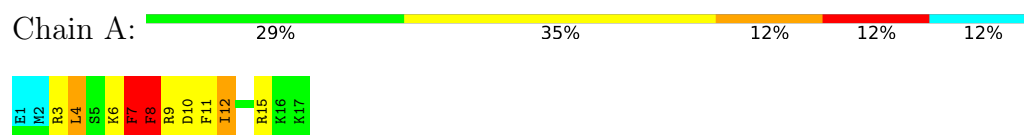
4.2.2 Score per residue for model 2

- Molecule 1: Competence-stimulating peptide type 1



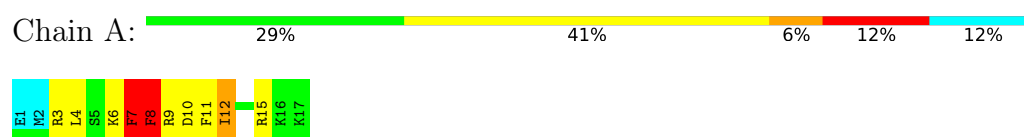
4.2.3 Score per residue for model 3

- Molecule 1: Competence-stimulating peptide type 1



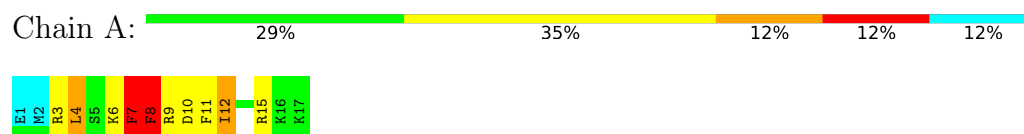
4.2.4 Score per residue for model 4 (medoid)

- Molecule 1: Competence-stimulating peptide type 1



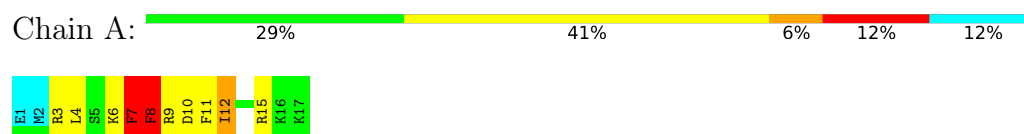
4.2.5 Score per residue for model 5

- Molecule 1: Competence-stimulating peptide type 1



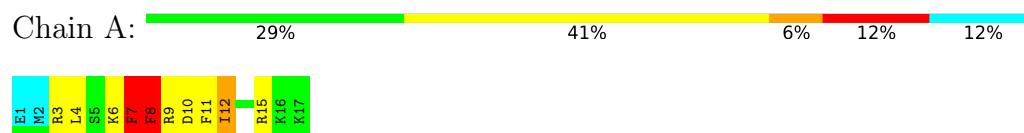
4.2.6 Score per residue for model 6

- Molecule 1: Competence-stimulating peptide type 1



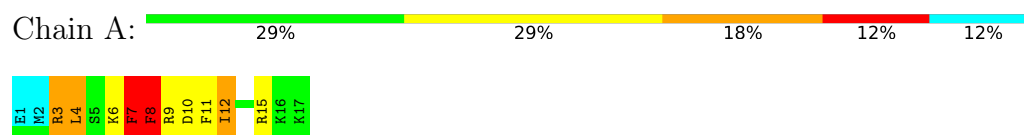
4.2.7 Score per residue for model 7

- Molecule 1: Competence-stimulating peptide type 1



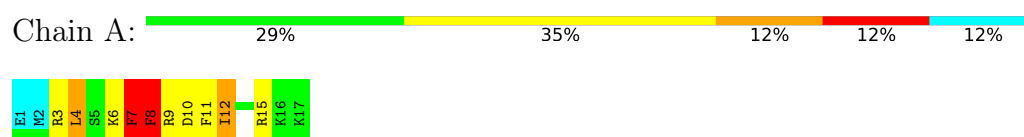
4.2.8 Score per residue for model 8

- Molecule 1: Competence-stimulating peptide type 1



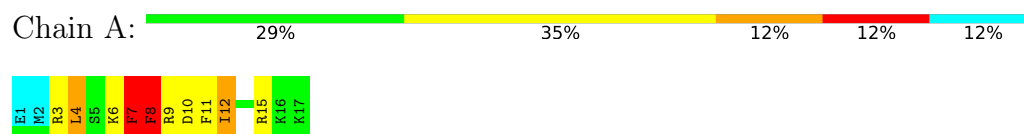
4.2.9 Score per residue for model 9

- Molecule 1: Competence-stimulating peptide type 1



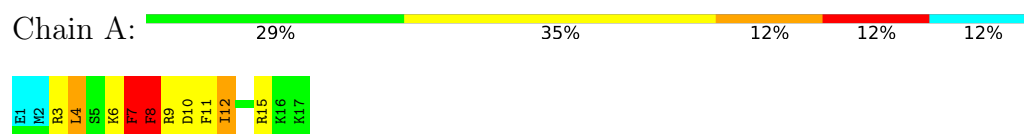
4.2.10 Score per residue for model 10

- Molecule 1: Competence-stimulating peptide type 1



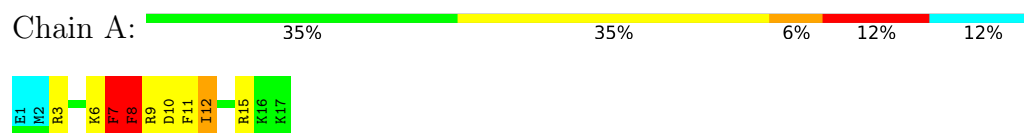
4.2.11 Score per residue for model 11

- Molecule 1: Competence-stimulating peptide type 1



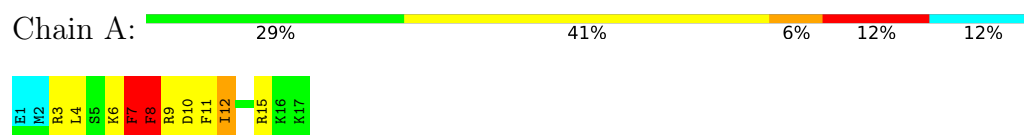
4.2.12 Score per residue for model 12

- Molecule 1: Competence-stimulating peptide type 1



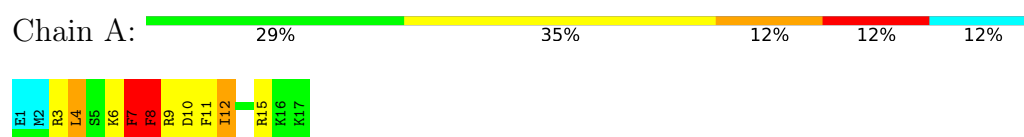
4.2.13 Score per residue for model 13

- Molecule 1: Competence-stimulating peptide type 1



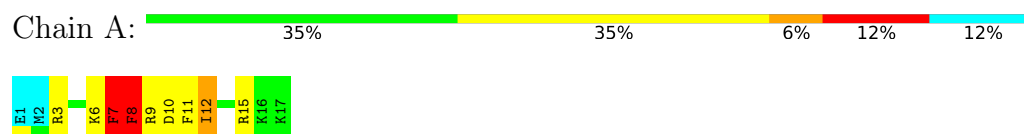
4.2.14 Score per residue for model 14

- Molecule 1: Competence-stimulating peptide type 1



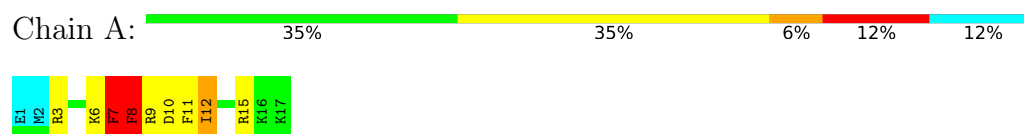
4.2.15 Score per residue for model 15

- Molecule 1: Competence-stimulating peptide type 1



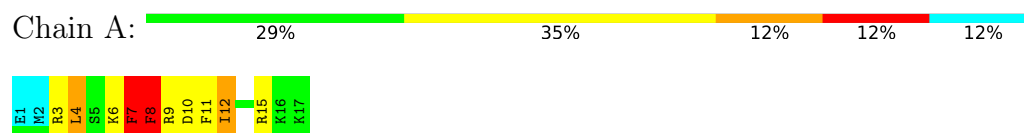
4.2.16 Score per residue for model 16

- Molecule 1: Competence-stimulating peptide type 1



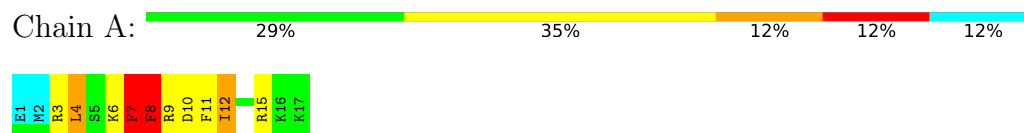
4.2.17 Score per residue for model 17

- Molecule 1: Competence-stimulating peptide type 1



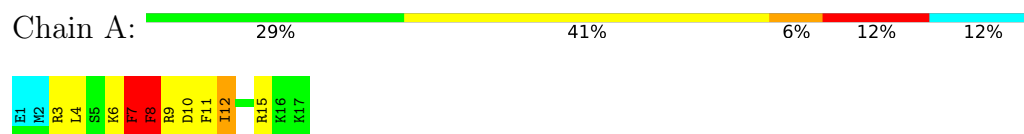
4.2.18 Score per residue for model 18

- Molecule 1: Competence-stimulating peptide type 1



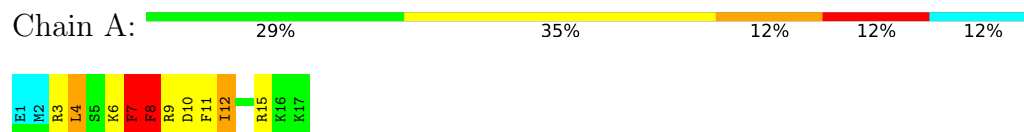
4.2.19 Score per residue for model 19

- 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: *torsion angle dynamics*.

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	structure calculation	
X-PLOR NIH	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	164
Number of shifts mapped to atoms	164
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	2.38±0.01	9±1/143 (6.1± 0.4%)	1.68±0.04	2±0/184 (0.8± 0.3%)
All	All	2.38	175/2860 (6.1%)	1.68	30/3680 (0.8%)

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	10	ASP	CA-C	-8.58	1.41	1.52	11	20
1	A	11	PHE	CA-C	-7.34	1.43	1.52	20	20
1	A	8	PHE	N-CA	-7.27	1.36	1.46	5	20
1	A	15	ARG	NE-CZ	6.05	1.39	1.33	19	20
1	A	9	ARG	NE-CZ	6.03	1.39	1.33	19	20
1	A	3	ARG	NE-CZ	6.01	1.39	1.33	14	20
1	A	7	PHE	CA-CB	5.54	1.62	1.53	11	20
1	A	7	PHE	CA-C	-5.46	1.45	1.52	12	17
1	A	10	ASP	N-CA	-5.38	1.39	1.46	8	18

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	7	PHE	N-CA-C	-8.53	101.73	112.90	20	20

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Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	15	ARG	N-CA-C	-6.12	104.16	111.69	17	10

There are no chirality outliers.

All unique planar outliers are listed below.

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

6.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	141	155	155	4±1
All	All	2820	3100	3100	72

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 12.

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:O	1:A:12:ILE:HB	0.51	2.05	3	20
1:A:8:PHE:CD2	1:A:8:PHE:C	0.46	2.93	16	20
1:A:12:ILE:CD1	1:A:12:ILE:N	0.46	2.79	2	19
1:A:12:ILE:N	1:A:12:ILE:CD1	0.45	2.79	3	1
1:A:4:LEU:O	1:A:7:PHE:HD2	0.45	1.95	11	10
1:A:4:LEU:O	1:A:7:PHE:CD2	0.41	2.73	11	2

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%)	13±1 (92±5%)	1±1 (8±5%)	0±0 (0±0%)	100	100
All	All	280/340 (82%)	258 (92%)	22 (8%)	0 (0%)	100	100

There are no Ramachandran outliers.

6.3.2 Protein sidechains ⓘ

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	15/17 (88%)	10±0 (68±3%)	5±0 (32±3%)	1	13
All	All	300/340 (88%)	203 (68%)	97 (32%)	1	13

All 6 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	6	LYS	20
1	A	7	PHE	20
1	A	8	PHE	20
1	A	12	ILE	20
1	A	4	LEU	16
1	A	3	ARG	1

6.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 60% for the well-defined parts and 57% 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	164
Number of shifts mapped to atoms	164
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. 158 atoms were assigned a chemical shift out of a possible 263. 0 out of 2 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	59/75 (79%)	30/30 (100%)	15/30 (50%)	14/15 (93%)
Sidechain	93/158 (59%)	74/100 (74%)	15/45 (33%)	4/13 (31%)
Aromatic	6/30 (20%)	6/15 (40%)	0/15 (0%)	0/0 (—%)
Overall	158/263 (60%)	110/145 (76%)	30/90 (33%)	18/28 (64%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 57%, i.e. 164 atoms were assigned a chemical shift out of a possible 290. 0 out of 2 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	61/85 (72%)	31/34 (91%)	16/34 (47%)	14/17 (82%)
Sidechain	97/175 (55%)	77/111 (69%)	16/51 (31%)	4/13 (31%)
Aromatic	6/30 (20%)	6/15 (40%)	0/15 (0%)	0/0 (—%)
Overall	164/290 (57%)	114/160 (71%)	32/100 (32%)	18/30 (60%)

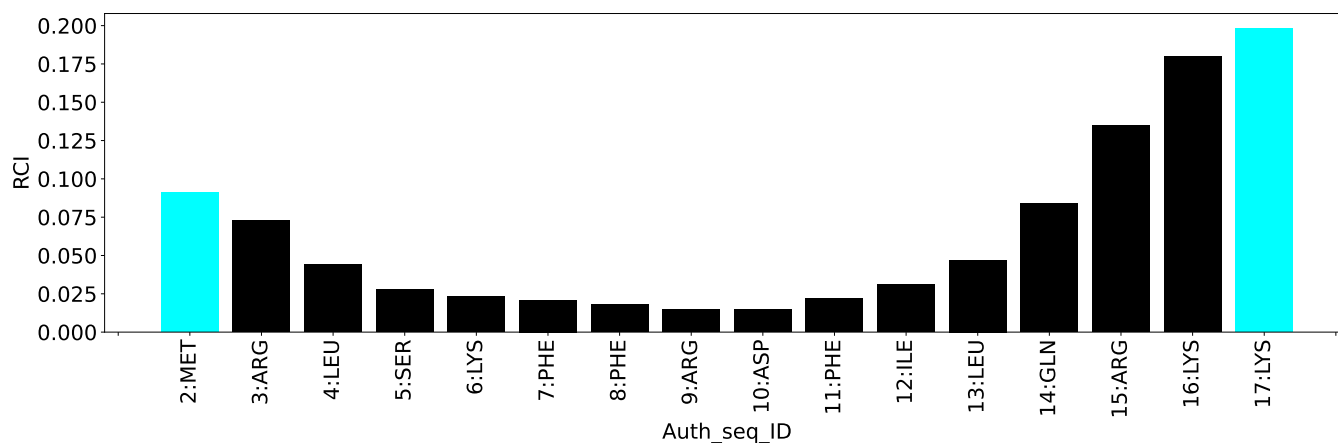
7.1.4 Statistically unusual chemical shifts [i](#)

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	577
Intra-residue ($ i-j =0$)	200
Sequential ($ i-j =1$)	131
Medium range ($ i-j >1$ and $ i-j <5$)	210
Long range ($ i-j \geq 5$)	36
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	33.9
Number of long range restraints per residue ¹	2.1

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)	19.1	0.2
0.2-0.5 (Medium)	40.6	0.5
>0.5 (Large)	150.7	6.4

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

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

9 Distance violation analysis ⓘ

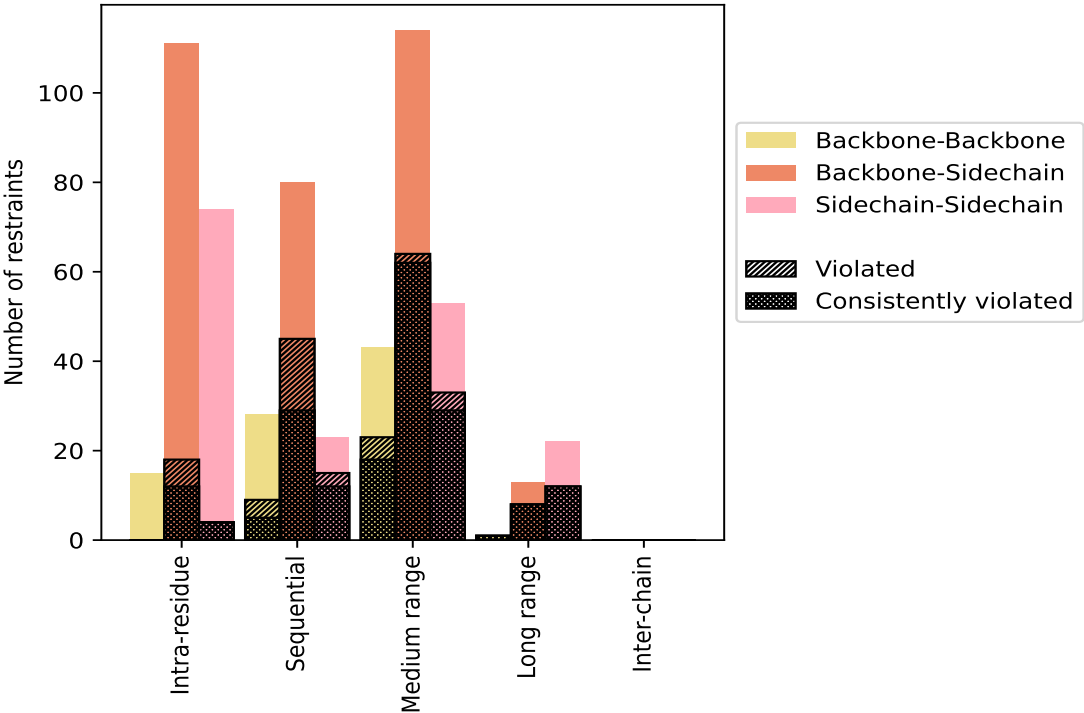
9.1 Summary of distance violations ⓘ

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)	200	34.7	22	11.0	3.8	16	8.0	2.8
Backbone-Backbone	15	2.6	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	111	19.2	18	16.2	3.1	12	10.8	2.1
Sidechain-Sidechain	74	12.8	4	5.4	0.7	4	5.4	0.7
Sequential (i-j =1)	131	22.7	69	52.7	12.0	46	35.1	8.0
Backbone-Backbone	28	4.9	9	32.1	1.6	5	17.9	0.9
Backbone-Sidechain	80	13.9	45	56.2	7.8	29	36.2	5.0
Sidechain-Sidechain	23	4.0	15	65.2	2.6	12	52.2	2.1
Medium range (i-j >1 & i-j <5)	210	36.4	120	57.1	20.8	109	51.9	18.9
Backbone-Backbone	43	7.5	23	53.5	4.0	18	41.9	3.1
Backbone-Sidechain	114	19.8	64	56.1	11.1	62	54.4	10.7
Sidechain-Sidechain	53	9.2	33	62.3	5.7	29	54.7	5.0
Long range (i-j ≥5)	36	6.2	21	58.3	3.6	21	58.3	3.6
Backbone-Backbone	1	0.2	1	100.0	0.2	1	100.0	0.2
Backbone-Sidechain	13	2.3	8	61.5	1.4	8	61.5	1.4
Sidechain-Sidechain	22	3.8	12	54.5	2.1	12	54.5	2.1
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	577	100.0	232	40.2	40.2	192	33.3	33.3
Backbone-Backbone	87	15.1	33	37.9	5.7	24	27.6	4.2
Backbone-Sidechain	318	55.1	135	42.5	23.4	111	34.9	19.2
Sidechain-Sidechain	172	29.8	64	37.2	11.1	57	33.1	9.9

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

9.1.1 Bar chart : Distribution of distance restraints and violations [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	54	115	21	0	211	1.09	6.26	0.9	0.93
2	19	58	114	21	0	212	1.1	6.34	0.9	0.92
3	20	56	113	21	0	210	1.09	6.15	0.89	0.94
4	20	56	113	21	0	210	1.09	6.24	0.89	0.94
5	21	55	117	21	0	214	1.08	6.15	0.91	0.88
6	19	53	116	21	0	209	1.1	6.25	0.9	0.93
7	20	57	114	21	0	212	1.09	6.16	0.89	0.94
8	20	56	116	21	0	213	1.07	5.12	0.87	0.9
9	20	56	114	21	0	211	1.09	6.15	0.89	0.93
10	20	56	114	21	0	211	1.09	6.3	0.89	0.93

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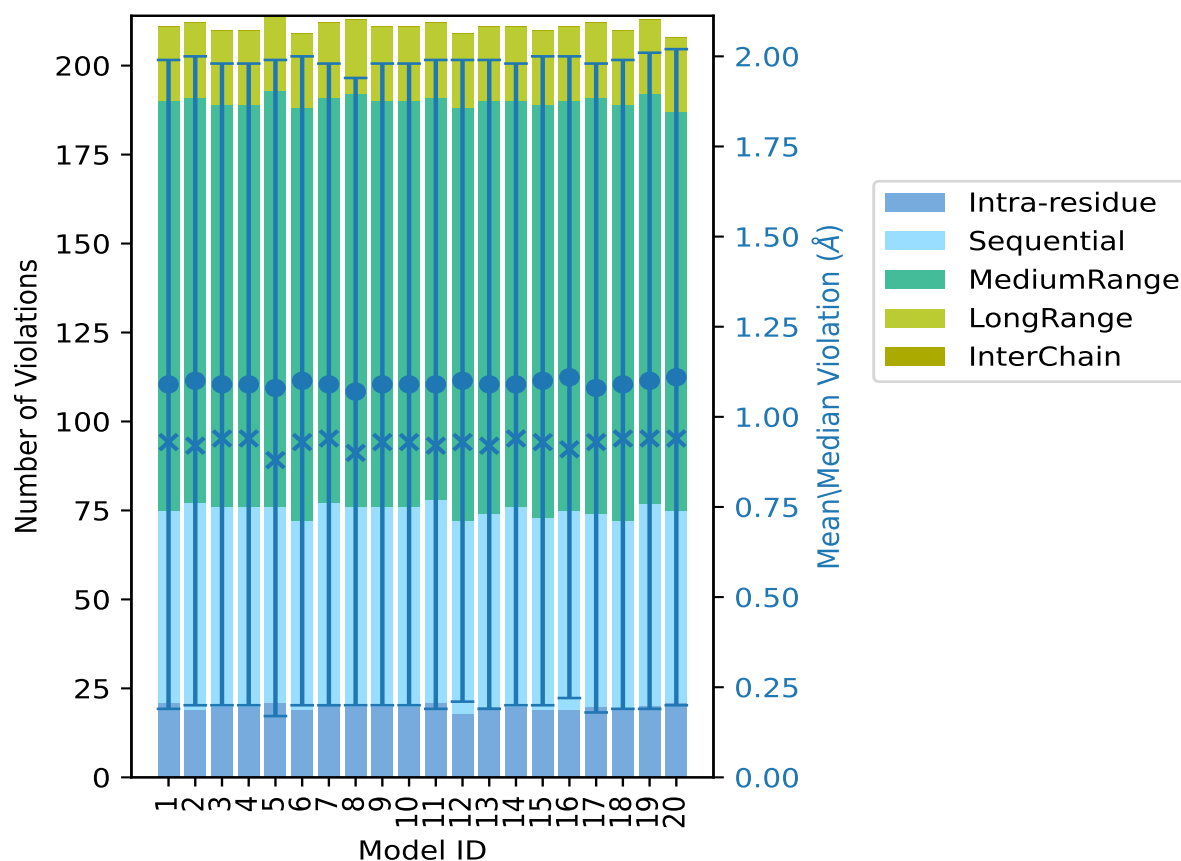
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	21	57	113	21	0	212	1.09	6.09	0.9	0.92
12	18	54	116	21	0	209	1.1	6.3	0.89	0.93
13	20	54	116	21	0	211	1.09	6.25	0.9	0.92
14	20	56	114	21	0	211	1.09	6.19	0.89	0.94
15	19	54	116	21	0	210	1.1	6.4	0.9	0.93
16	19	56	115	21	0	211	1.11	6.3	0.89	0.91
17	20	54	117	21	0	212	1.08	6.19	0.9	0.93
18	19	53	117	21	0	210	1.09	6.25	0.9	0.94
19	20	57	115	21	0	213	1.1	6.13	0.91	0.94
20	21	54	112	21	0	208	1.11	6.01	0.91	0.94

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 ⓘ



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

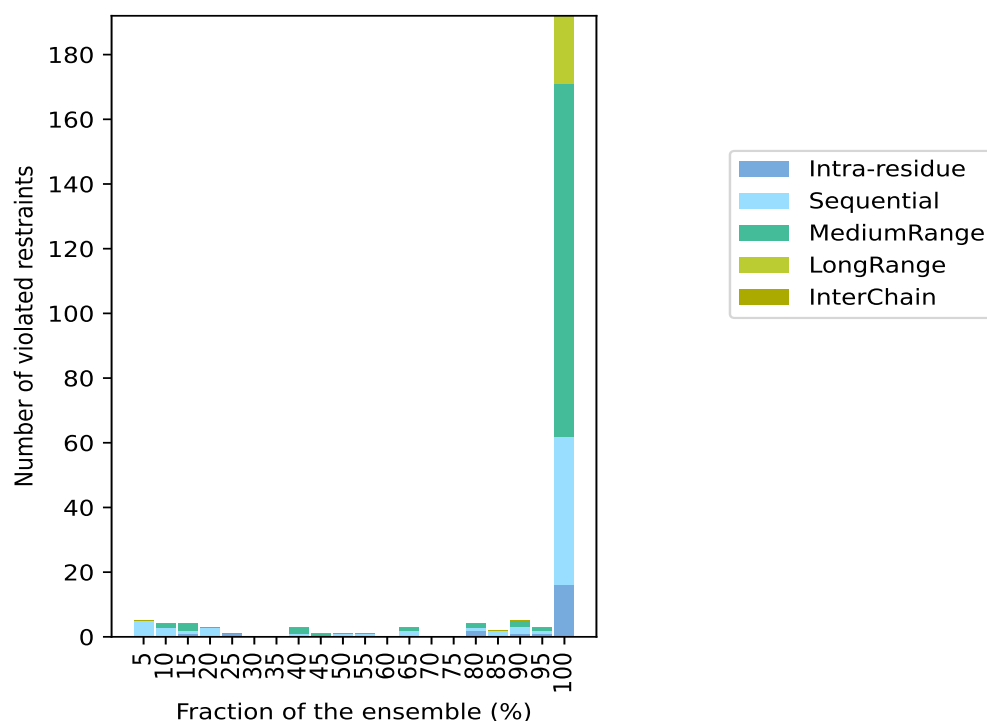
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 345(IR:178, SQ:62, MR:90, LR:15, IC:0) restraints are not 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	%
0	5	0	0	0	5	1	5.0
0	3	1	0	0	4	2	10.0
1	1	2	0	0	4	3	15.0
0	3	0	0	0	3	4	20.0
1	0	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
0	1	2	0	0	3	8	40.0
0	0	1	0	0	1	9	45.0
0	1	0	0	0	1	10	50.0
0	1	0	0	0	1	11	55.0
0	0	0	0	0	0	12	60.0
0	2	1	0	0	3	13	65.0
0	0	0	0	0	0	14	70.0
0	0	0	0	0	0	15	75.0
2	1	1	0	0	4	16	80.0
0	2	0	0	0	2	17	85.0
1	2	2	0	0	5	18	90.0
1	1	1	0	0	3	19	95.0
16	46	109	21	0	192	20	100.0

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

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

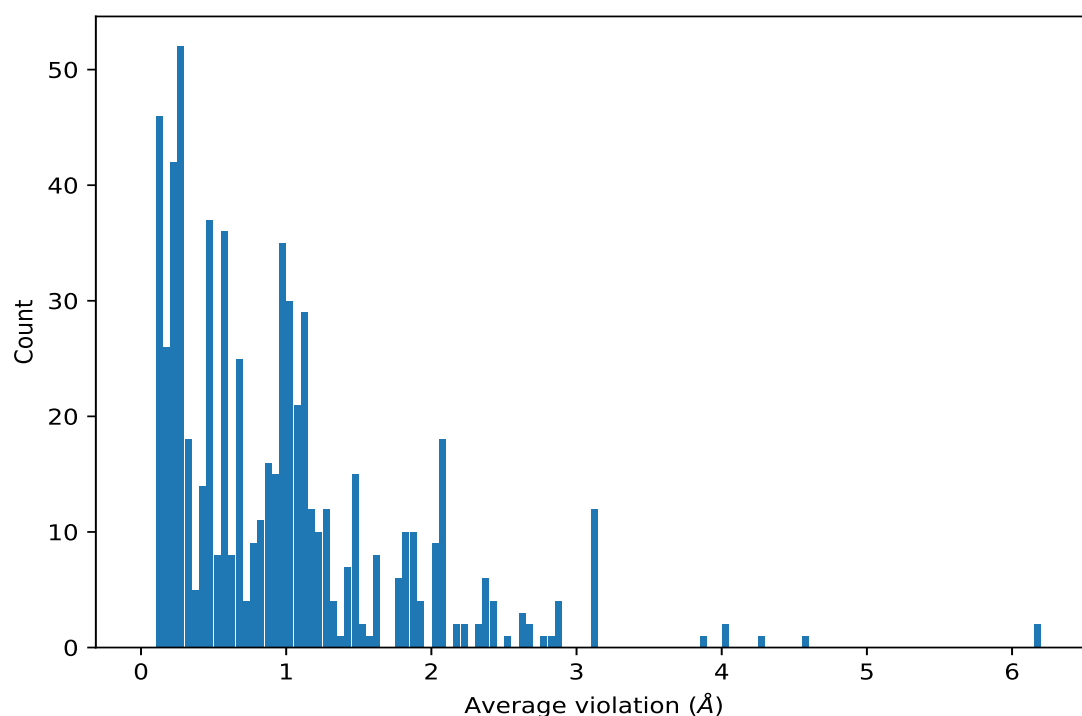
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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)
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	20	6.16	0.26	6.22
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	20	6.16	0.26	6.22
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	20	4.6	0.01	4.6
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	20	4.29	0.03	4.28
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	20	4.02	0.31	4.08
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	20	4.02	0.31	4.08
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	20	3.85	0.01	3.85
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	20	3.1	0.01	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	20	3.1	0.01	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	20	3.1	0.01	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	20	3.1	0.01	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	20	3.1	0.01	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	20	3.1	0.01	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	20	3.1	0.01	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	20	3.1	0.01	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	20	3.1	0.01	3.1

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	20	3.1	0.01	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	20	3.1	0.01	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	20	3.1	0.01	3.1
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	20	2.87	0.49	2.66
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	20	2.87	0.49	2.66
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	20	2.86	0.0	2.86
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	20	2.86	0.0	2.86
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	20	2.82	0.02	2.82
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	20	2.75	0.01	2.75
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	20	2.67	0.01	2.67
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	20	2.67	0.01	2.67
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	20	2.64	0.01	2.64
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	20	2.6	0.01	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	20	2.6	0.01	2.59
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	20	2.51	0.01	2.51
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	20	2.44	0.01	2.44
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	20	2.44	0.01	2.44
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	20	2.42	0.18	2.35
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	20	2.42	0.18	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	20	2.36	0.01	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	20	2.36	0.01	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	20	2.36	0.01	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	20	2.36	0.01	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	20	2.36	0.01	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	20	2.36	0.01	2.36
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	20	2.31	0.01	2.31
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	20	2.31	0.01	2.31
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	20	2.21	0.02	2.2
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	20	2.2	0.06	2.22
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	20	2.18	0.01	2.19
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	20	2.17	0.01	2.17
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	20	2.09	0.01	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	20	2.09	0.01	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	20	2.09	0.01	2.09
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	20	2.08	0.12	2.13
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	20	2.08	0.12	2.13
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	20	2.07	0.01	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	20	2.06	0.01	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	20	2.06	0.01	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	20	2.06	0.01	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	20	2.06	0.01	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	20	2.06	0.01	2.06

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	20	2.06	0.01	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	20	2.06	0.01	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	20	2.06	0.01	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	20	2.06	0.01	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	20	2.06	0.01	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	20	2.06	0.01	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	20	2.06	0.01	2.06
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	20	2.05	0.0	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	20	2.05	0.0	2.05
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	20	2.04	0.12	2.05
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	20	2.04	0.12	2.05
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	20	2.04	0.12	2.05
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	20	2.04	0.12	2.05
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	20	2.03	0.01	2.03
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	20	2.01	0.0	2.01
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	20	2.0	0.01	2.0
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	20	1.93	0.01	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	20	1.93	0.01	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	20	1.93	0.01	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	20	1.93	0.01	1.93
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	20	1.9	0.02	1.9
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	20	1.9	0.02	1.9
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	20	1.89	0.04	1.91
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	20	1.89	0.04	1.91
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	20	1.88	0.02	1.87
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	20	1.88	0.02	1.87
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD11	20	1.87	0.01	1.87
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD12	20	1.87	0.01	1.87
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD13	20	1.87	0.01	1.87
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	20	1.85	0.09	1.82
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	20	1.83	0.01	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	20	1.83	0.01	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	20	1.83	0.01	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	20	1.83	0.01	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	20	1.83	0.01	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	20	1.83	0.01	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	20	1.83	0.01	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	20	1.83	0.01	1.83
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	20	1.8	0.17	1.87
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	20	1.8	0.17	1.87
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	20	1.79	0.02	1.79
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	20	1.79	0.02	1.79

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	20	1.75	0.01	1.75
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	20	1.75	0.01	1.75
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	20	1.75	0.01	1.75
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	20	1.75	0.01	1.75
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	20	1.65	0.02	1.65
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	20	1.63	0.04	1.63
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	20	1.63	0.04	1.63
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	20	1.61	0.01	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	20	1.61	0.01	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	20	1.61	0.01	1.61
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	20	1.6	0.04	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	20	1.6	0.04	1.61
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	20	1.59	0.01	1.59
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	20	1.53	0.04	1.53
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	20	1.53	0.04	1.53
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG21	20	1.48	0.01	1.48
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG23	20	1.48	0.01	1.48
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG22	20	1.48	0.01	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	20	1.48	0.01	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	20	1.48	0.01	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	20	1.48	0.01	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	20	1.48	0.01	1.48
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	20	1.47	0.01	1.48
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	20	1.47	0.01	1.48
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	20	1.46	0.01	1.46
(2,15)	1:12:A:ILE:HG21	1:13:A:LEU:HB3	20	1.46	0.02	1.45
(2,15)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	20	1.46	0.02	1.45
(2,15)	1:12:A:ILE:HG22	1:13:A:LEU:HB3	20	1.46	0.02	1.45
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	20	1.46	0.09	1.44
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	20	1.46	0.09	1.44
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	20	1.43	0.02	1.43
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	20	1.41	0.01	1.41
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	20	1.41	0.01	1.41
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	20	1.41	0.1	1.42
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	20	1.41	0.1	1.42
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	20	1.41	0.1	1.42
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	20	1.41	0.1	1.42
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	20	1.4	0.01	1.4
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	20	1.32	0.01	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	20	1.32	0.01	1.32
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	20	1.31	0.01	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	20	1.31	0.01	1.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	20	1.29	0.0	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	20	1.29	0.0	1.29
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	20	1.28	0.08	1.27
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	20	1.28	0.08	1.27
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	20	1.27	0.03	1.27
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	20	1.27	0.01	1.26
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	20	1.27	0.01	1.26
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	20	1.26	0.02	1.27
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	20	1.26	0.02	1.27
(2,14)	1:12:A:ILE:HG21	1:13:A:LEU:HB3	20	1.26	0.02	1.25
(2,14)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	20	1.26	0.02	1.25
(2,14)	1:12:A:ILE:HG22	1:13:A:LEU:HB3	20	1.26	0.02	1.25
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	20	1.24	0.05	1.26
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	20	1.24	0.05	1.26
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	20	1.22	0.06	1.19
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	20	1.22	0.06	1.19
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	20	1.22	0.06	1.19
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	20	1.22	0.06	1.19
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	20	1.22	0.06	1.19
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	20	1.22	0.06	1.19
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	20	1.21	0.01	1.21
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	20	1.21	0.01	1.21
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	20	1.18	0.01	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	20	1.18	0.01	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	20	1.18	0.01	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	20	1.18	0.01	1.18
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	20	1.18	0.01	1.18
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	20	1.18	0.01	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	20	1.18	0.01	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	20	1.18	0.01	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	20	1.18	0.01	1.17
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	20	1.16	0.03	1.16
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	20	1.14	0.05	1.16
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	20	1.14	0.05	1.16
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	20	1.13	0.04	1.14
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	20	1.12	0.01	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	20	1.12	0.01	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	20	1.12	0.01	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	20	1.12	0.01	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	20	1.12	0.01	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	20	1.12	0.01	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	20	1.12	0.01	1.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	20	1.12	0.01	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	20	1.12	0.01	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	20	1.12	0.01	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	20	1.12	0.01	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	20	1.12	0.01	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	20	1.12	0.01	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	20	1.12	0.01	1.12
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	20	1.11	0.01	1.1
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	20	1.11	0.01	1.1
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	20	1.11	0.01	1.1
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	20	1.11	0.01	1.1
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	20	1.11	0.01	1.1
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	20	1.11	0.01	1.1
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	20	1.11	0.01	1.1
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	20	1.11	0.01	1.1
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	20	1.11	0.01	1.1
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	20	1.11	0.01	1.1
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	20	1.11	0.01	1.1
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	20	1.11	0.01	1.1
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	20	1.09	0.05	1.09
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	20	1.09	0.05	1.09
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	20	1.08	0.02	1.07
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	20	1.08	0.02	1.07
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	20	1.08	0.02	1.07
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	20	1.08	0.02	1.07
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	20	1.08	0.02	1.07
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	20	1.08	0.02	1.07
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	20	1.08	0.02	1.07
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	20	1.08	0.02	1.07
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	20	1.08	0.02	1.07
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	20	1.08	0.02	1.07
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	20	1.08	0.02	1.07
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	20	1.08	0.02	1.07
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	20	1.08	0.01	1.08
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	20	1.08	0.01	1.08
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	20	1.08	0.01	1.08
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	20	1.07	0.01	1.07
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	20	1.07	0.01	1.07
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	20	1.06	0.01	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	20	1.06	0.01	1.06
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	20	1.04	0.01	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	20	1.04	0.01	1.04

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	20	1.04	0.01	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	20	1.04	0.01	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	20	1.04	0.01	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	20	1.04	0.01	1.04
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	20	1.04	0.01	1.05
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	20	1.04	0.01	1.05
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	20	1.04	0.0	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	20	1.04	0.0	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	20	1.04	0.0	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	20	1.04	0.0	1.04
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	20	1.03	0.12	0.98
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	20	1.03	0.12	0.98
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	20	1.03	0.12	0.98
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	20	1.03	0.12	0.98
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	20	1.03	0.12	0.98
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	20	1.03	0.12	0.98
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	20	1.01	0.0	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	20	1.01	0.0	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	20	1.01	0.0	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	20	1.01	0.0	1.01
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	20	1.0	0.01	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	20	1.0	0.01	1.0
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	20	1.0	0.01	1.0
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	20	1.0	0.01	1.0
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	20	1.0	0.03	1.0
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	20	1.0	0.03	1.0
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	20	1.0	0.03	1.0
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	20	1.0	0.03	1.0
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	20	0.99	0.07	1.02
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	20	0.99	0.07	1.02
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	20	0.99	0.09	0.97
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	20	0.99	0.09	0.97
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	20	0.99	0.09	0.97
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	20	0.99	0.09	0.97
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	20	0.99	0.09	0.97
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	20	0.99	0.09	0.97
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	20	0.99	0.09	0.97
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	20	0.99	0.09	0.97
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	20	0.99	0.09	0.97
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	20	0.99	0.09	0.97
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	20	0.99	0.09	0.97
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	20	0.99	0.09	0.97

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	20	0.97	0.01	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	20	0.97	0.01	0.97
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	20	0.97	0.01	0.97
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	20	0.97	0.01	0.97
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	20	0.97	0.2	0.94
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	20	0.97	0.2	0.94
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	20	0.97	0.2	0.94
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	20	0.97	0.2	0.94
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	20	0.96	0.01	0.97
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	20	0.96	0.01	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	20	0.96	0.01	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	20	0.96	0.01	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	20	0.96	0.01	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	20	0.96	0.01	0.97
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	20	0.96	0.01	0.97
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	20	0.96	0.01	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	20	0.96	0.01	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	20	0.96	0.01	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	20	0.96	0.01	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	20	0.96	0.01	0.97
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	20	0.96	0.01	0.96
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	20	0.95	0.01	0.95
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	20	0.95	0.01	0.95
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	20	0.95	0.01	0.95
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	20	0.93	0.01	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	20	0.93	0.01	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	20	0.93	0.01	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	20	0.93	0.01	0.93
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	20	0.93	0.02	0.93
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	20	0.92	0.01	0.92
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	20	0.92	0.01	0.92
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	20	0.92	0.01	0.92
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	20	0.92	0.48	1.12
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	20	0.92	0.48	1.12
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	20	0.91	0.01	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	20	0.91	0.01	0.91
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	20	0.89	0.09	0.87
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	20	0.89	0.09	0.87
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	20	0.89	0.09	0.87
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	20	0.89	0.09	0.87
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	20	0.89	0.09	0.87
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	20	0.89	0.09	0.87

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	20	0.89	0.09	0.87
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	20	0.89	0.09	0.87
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	20	0.89	0.09	0.87
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	20	0.89	0.09	0.87
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	20	0.89	0.09	0.87
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	20	0.89	0.09	0.87
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	20	0.87	0.0	0.87
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	20	0.87	0.0	0.87
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	20	0.86	0.04	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	20	0.86	0.04	0.85
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	20	0.84	0.01	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	20	0.84	0.01	0.84
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	20	0.84	0.02	0.84
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	20	0.84	0.02	0.84
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	20	0.84	0.03	0.85
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	20	0.81	0.01	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	20	0.81	0.01	0.81
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	20	0.81	0.01	0.81
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	20	0.81	0.01	0.81
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	20	0.8	0.01	0.8
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	20	0.8	0.01	0.8
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	20	0.79	0.02	0.79
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	20	0.79	0.02	0.79
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	20	0.78	0.01	0.78
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	20	0.78	0.01	0.78
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD11	20	0.76	0.01	0.76
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	20	0.76	0.01	0.76
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD13	20	0.76	0.01	0.76
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	20	0.75	0.09	0.77
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	20	0.75	0.09	0.77
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	20	0.71	0.0	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	20	0.71	0.0	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	20	0.71	0.0	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	20	0.71	0.0	0.71
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	20	0.7	0.0	0.7
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	20	0.69	0.01	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	20	0.69	0.01	0.69
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	20	0.68	0.0	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	20	0.68	0.0	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	20	0.68	0.01	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	20	0.68	0.01	0.68
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	20	0.67	0.01	0.67

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	20	0.67	0.01	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	20	0.67	0.01	0.67
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	20	0.67	0.01	0.67
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	20	0.67	0.01	0.67
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	20	0.67	0.01	0.67
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	20	0.67	0.01	0.67
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	20	0.67	0.01	0.67
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	20	0.66	0.09	0.62
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	20	0.66	0.09	0.62
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	20	0.66	0.01	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	20	0.66	0.01	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	20	0.66	0.01	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	20	0.66	0.01	0.66
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	20	0.65	0.01	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	20	0.65	0.01	0.65
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	20	0.64	0.02	0.64
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	20	0.64	0.02	0.64
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	20	0.62	0.01	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	20	0.62	0.01	0.62
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	20	0.6	0.05	0.58
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	20	0.6	0.05	0.58
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	20	0.6	0.05	0.58
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	20	0.6	0.05	0.58
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	20	0.6	0.14	0.54
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	20	0.6	0.14	0.54
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	20	0.59	0.01	0.59
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	20	0.59	0.01	0.59
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	20	0.59	0.01	0.58
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	20	0.59	0.01	0.58
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	20	0.59	0.01	0.58
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	20	0.58	0.02	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	20	0.58	0.02	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	20	0.58	0.02	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	20	0.58	0.02	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	20	0.58	0.02	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	20	0.58	0.02	0.59
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	20	0.58	0.0	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	20	0.58	0.0	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	20	0.58	0.0	0.58
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	20	0.58	0.02	0.58
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	20	0.58	0.02	0.58
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	20	0.57	0.01	0.57

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	20	0.57	0.01	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	20	0.57	0.01	0.57
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	20	0.55	0.03	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	20	0.55	0.01	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	20	0.55	0.01	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	20	0.54	0.01	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	20	0.54	0.01	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	20	0.54	0.01	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	20	0.54	0.01	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	20	0.54	0.01	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	20	0.54	0.01	0.54
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	20	0.52	0.11	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	20	0.52	0.11	0.47
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	20	0.49	0.05	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	20	0.49	0.05	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	20	0.49	0.05	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	20	0.49	0.05	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	20	0.49	0.05	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	20	0.49	0.05	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	20	0.49	0.05	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	20	0.49	0.05	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	20	0.49	0.05	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	20	0.49	0.05	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	20	0.49	0.05	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	20	0.49	0.05	0.48
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	20	0.49	0.04	0.48
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	20	0.49	0.04	0.48
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	20	0.49	0.04	0.48
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	20	0.49	0.04	0.48
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	20	0.49	0.04	0.48
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	20	0.49	0.04	0.48
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	20	0.49	0.04	0.48
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	20	0.49	0.04	0.48
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	20	0.49	0.04	0.48
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	20	0.49	0.04	0.48
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	20	0.49	0.04	0.48
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	20	0.49	0.04	0.48
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	20	0.48	0.01	0.48
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	20	0.47	0.09	0.43
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	20	0.47	0.09	0.43
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	20	0.47	0.04	0.48
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	20	0.45	0.02	0.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	20	0.45	0.02	0.46
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	20	0.44	0.0	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	20	0.44	0.0	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	20	0.44	0.0	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	20	0.44	0.0	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	20	0.44	0.0	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	20	0.44	0.0	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	20	0.44	0.0	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	20	0.44	0.0	0.44
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	20	0.43	0.01	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	20	0.43	0.01	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	20	0.43	0.01	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	20	0.43	0.01	0.43
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	20	0.38	0.02	0.38
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	20	0.38	0.02	0.38
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	20	0.37	0.01	0.37
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	20	0.36	0.0	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	20	0.36	0.0	0.36
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	20	0.34	0.01	0.34
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	20	0.34	0.18	0.28
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	20	0.34	0.18	0.28
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	20	0.34	0.04	0.33
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	20	0.34	0.04	0.33
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	20	0.34	0.04	0.33
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	20	0.34	0.04	0.33
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	20	0.34	0.04	0.33
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	20	0.34	0.04	0.33
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	20	0.33	0.01	0.34
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	20	0.33	0.01	0.34
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	20	0.31	0.1	0.32
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	20	0.31	0.1	0.32
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	20	0.31	0.1	0.32
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	20	0.31	0.1	0.32
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	20	0.3	0.02	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	20	0.3	0.01	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	20	0.3	0.01	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	20	0.3	0.01	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	20	0.3	0.01	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	20	0.3	0.01	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	20	0.3	0.01	0.3
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	20	0.3	0.01	0.3
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	20	0.29	0.04	0.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	20	0.29	0.04	0.28
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	20	0.29	0.04	0.28
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	20	0.29	0.04	0.28
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	20	0.29	0.04	0.28
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	20	0.29	0.04	0.28
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	20	0.29	0.04	0.28
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	20	0.29	0.04	0.28
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	20	0.29	0.04	0.28
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	20	0.29	0.04	0.28
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	20	0.29	0.04	0.28
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	20	0.29	0.04	0.28
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	20	0.29	0.04	0.28
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	20	0.29	0.04	0.28
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	20	0.29	0.04	0.28
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	20	0.29	0.04	0.28
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	20	0.28	0.04	0.29
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	20	0.28	0.04	0.29
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	20	0.28	0.01	0.28
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	20	0.28	0.02	0.27
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	20	0.28	0.02	0.27
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	20	0.28	0.02	0.27
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	20	0.28	0.02	0.27
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	20	0.28	0.02	0.27
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	20	0.28	0.02	0.27
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	20	0.28	0.02	0.27
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	20	0.28	0.02	0.27
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	20	0.28	0.02	0.27
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	20	0.28	0.02	0.27
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	20	0.28	0.02	0.27
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	20	0.28	0.02	0.27
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	20	0.28	0.02	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	20	0.27	0.01	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	20	0.27	0.01	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	20	0.27	0.01	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	20	0.27	0.01	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	20	0.27	0.01	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	20	0.27	0.01	0.27
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	20	0.25	0.01	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	20	0.25	0.01	0.25
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	20	0.24	0.03	0.24
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	20	0.23	0.02	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	20	0.23	0.01	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	20	0.23	0.01	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	20	0.23	0.01	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	20	0.23	0.01	0.23
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	20	0.21	0.01	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	20	0.21	0.01	0.21
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	20	0.21	0.01	0.21
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	20	0.21	0.01	0.21
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	20	0.21	0.01	0.21
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	20	0.21	0.01	0.21
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	20	0.21	0.01	0.21
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	20	0.21	0.01	0.21
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	20	0.21	0.04	0.22
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	20	0.21	0.04	0.22
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	20	0.2	0.0	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	20	0.2	0.0	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	20	0.2	0.0	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	20	0.2	0.0	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	20	0.2	0.0	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	20	0.2	0.0	0.2
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	20	0.15	0.01	0.15
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	20	0.15	0.01	0.15
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	20	0.14	0.01	0.14
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	20	0.14	0.01	0.14
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	20	0.14	0.01	0.14
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	20	0.14	0.01	0.14
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	20	0.14	0.01	0.14
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	20	0.14	0.01	0.14
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	20	0.13	0.01	0.13
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	20	0.13	0.01	0.13
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	20	0.13	0.01	0.13
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	20	0.13	0.01	0.13
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	20	0.12	0.0	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	20	0.12	0.0	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	20	0.12	0.01	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	20	0.12	0.01	0.12
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	19	1.18	0.02	1.17
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	19	1.18	0.02	1.17
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	19	0.64	0.12	0.61
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	19	0.64	0.12	0.61
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	19	0.64	0.12	0.61
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	19	0.64	0.12	0.61
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	19	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	19	0.14	0.02	0.14
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	18	0.68	0.14	0.72
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	18	0.68	0.14	0.72
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	18	0.28	0.13	0.23
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	18	0.28	0.13	0.23
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	18	0.24	0.03	0.25
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	18	0.14	0.01	0.14
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	18	0.12	0.02	0.11
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	18	0.12	0.02	0.11
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	17	0.34	0.01	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	17	0.34	0.01	0.35
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	17	0.21	0.18	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	17	0.21	0.18	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	17	0.21	0.18	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	17	0.21	0.18	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	17	0.21	0.18	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	17	0.21	0.18	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	17	0.21	0.18	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	17	0.21	0.18	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	17	0.21	0.18	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	17	0.21	0.18	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	17	0.21	0.18	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	17	0.21	0.18	0.16
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	16	0.27	0.23	0.23
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	16	0.27	0.23	0.23
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	16	0.16	0.03	0.16
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	16	0.16	0.03	0.16
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	16	0.16	0.03	0.16
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	16	0.16	0.03	0.16
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	16	0.16	0.03	0.16
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	16	0.16	0.03	0.16
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	16	0.16	0.03	0.16
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	16	0.16	0.03	0.16
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	16	0.16	0.03	0.16
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	16	0.16	0.03	0.16
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	16	0.16	0.03	0.16
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	16	0.16	0.03	0.16
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	16	0.13	0.02	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	16	0.13	0.02	0.12
(1,529)	1:15:A:ARG:HD2	1:16:A:LYS:H	13	0.18	0.06	0.17
(1,529)	1:15:A:ARG:HD3	1:16:A:LYS:H	13	0.18	0.06	0.17
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE1	13	0.14	0.01	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE2	13	0.14	0.01	0.14
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE1	13	0.14	0.01	0.14
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE2	13	0.14	0.01	0.14
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE1	13	0.14	0.01	0.14
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE2	13	0.14	0.01	0.14
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE1	13	0.14	0.01	0.14
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE2	13	0.14	0.01	0.14
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE1	13	0.14	0.01	0.14
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE2	13	0.14	0.01	0.14
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE1	13	0.14	0.01	0.14
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE2	13	0.14	0.01	0.14
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE1	13	0.12	0.01	0.12
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE2	13	0.12	0.01	0.12
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE1	13	0.12	0.01	0.12
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE2	13	0.12	0.01	0.12
(1,57)	1:3:A:ARG:HD2	1:4:A:LEU:H	11	0.14	0.04	0.13
(1,57)	1:3:A:ARG:HD3	1:4:A:LEU:H	11	0.14	0.04	0.13
(1,544)	1:16:A:LYS:HA	1:17:A:LYS:HA	10	0.48	0.09	0.51
(1,534)	1:15:A:ARG:HA	1:17:A:LYS:H	9	0.32	0.16	0.3
(1,500)	1:14:A:GLN:HA	1:17:A:LYS:H	8	0.2	0.03	0.21
(1,113)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	8	0.18	0.05	0.18
(1,113)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	8	0.18	0.05	0.18
(1,113)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	8	0.18	0.05	0.18
(1,113)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	8	0.18	0.05	0.18
(1,113)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	8	0.18	0.05	0.18
(1,113)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	8	0.18	0.05	0.18
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB2	8	0.11	0.01	0.11
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB3	8	0.11	0.01	0.11
(1,553)	1:17:A:LYS:HA	1:17:A:LYS:HE2	5	0.42	0.23	0.6
(1,553)	1:17:A:LYS:HA	1:17:A:LYS:HE3	5	0.42	0.23	0.6
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD11	4	0.55	0.03	0.56
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD12	4	0.55	0.03	0.56
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD13	4	0.55	0.03	0.56
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD21	4	0.55	0.03	0.56
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD22	4	0.55	0.03	0.56
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD23	4	0.55	0.03	0.56
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD11	4	0.45	0.03	0.46
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD12	4	0.45	0.03	0.46
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD13	4	0.45	0.03	0.46
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD21	4	0.45	0.03	0.46
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD22	4	0.45	0.03	0.46
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD23	4	0.45	0.03	0.46

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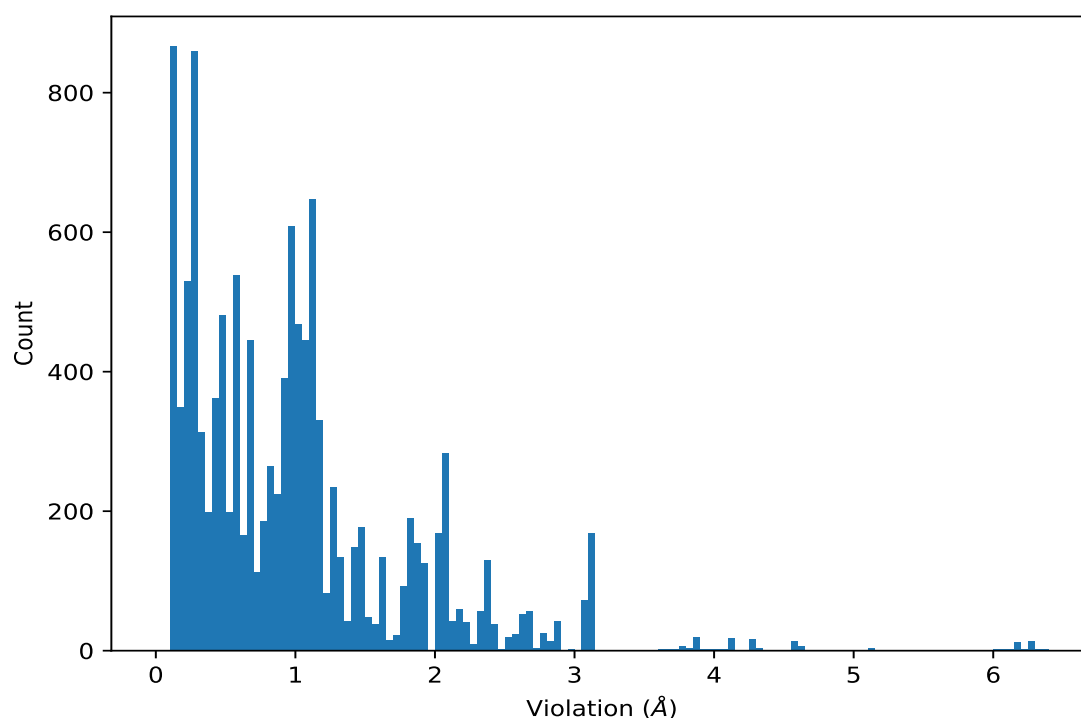
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:H	4	0.2	0.07	0.2
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:H	4	0.2	0.07	0.2
(1,148)	1:6:A:LYS:HG2	1:6:A:LYS:H	3	0.55	0.12	0.63
(1,148)	1:6:A:LYS:HG3	1:6:A:LYS:H	3	0.55	0.12	0.63
(1,547)	1:16:A:LYS:HB2	1:17:A:LYS:H	3	0.19	0.01	0.19
(1,547)	1:16:A:LYS:HB3	1:17:A:LYS:H	3	0.19	0.01	0.19
(1,83)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	3	0.19	0.02	0.17
(1,83)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	3	0.19	0.02	0.17
(1,83)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	3	0.19	0.02	0.17
(1,83)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	3	0.19	0.02	0.17
(1,58)	1:3:A:ARG:HA	1:5:A:SER:H	3	0.14	0.02	0.15
(1,120)	1:5:A:SER:HA	1:6:A:LYS:HD2	2	0.2	0.02	0.2
(1,120)	1:5:A:SER:HA	1:6:A:LYS:HD3	2	0.2	0.02	0.2
(1,121)	1:5:A:SER:H	1:6:A:LYS:HD2	2	0.2	0.01	0.2
(1,121)	1:5:A:SER:H	1:6:A:LYS:HD3	2	0.2	0.01	0.2
(1,60)	1:3:A:ARG:H	1:5:A:SER:H	2	0.15	0.0	0.15
(1,156)	1:6:A:LYS:H	1:7:A:PHE:H	2	0.11	0.0	0.11

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)
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	15	6.4
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	15	6.4
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	2	6.34
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	2	6.34
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	10	6.3
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	10	6.3
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	12	6.3
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	12	6.3
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	16	6.3
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	16	6.3
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	1	6.26
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	1	6.26
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	6	6.25
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	6	6.25
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	13	6.25
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	13	6.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	18	6.25
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	18	6.25
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	4	6.24
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	4	6.24
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	14	6.19
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	14	6.19
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	17	6.19
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	17	6.19
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	7	6.16
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	7	6.16
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	3	6.15
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	3	6.15
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	5	6.15
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	5	6.15
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	9	6.15
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	9	6.15
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	19	6.13
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	19	6.13
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	11	6.09
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	11	6.09
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	20	6.01
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	20	6.01
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	19	5.13
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	19	5.13
(1,62)	1:3:A:ARG:HG2	1:7:A:PHE:HZ	8	5.12
(1,62)	1:3:A:ARG:HG3	1:7:A:PHE:HZ	8	5.12
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	5	4.63
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	2	4.62
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	11	4.62
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	12	4.62
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	15	4.62
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	16	4.62
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	20	4.62
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	1	4.6
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	6	4.6
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	7	4.6
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	9	4.6
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	10	4.6
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	17	4.6
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	18	4.6
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	3	4.59
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	4	4.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	8	4.59
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	13	4.59
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	14	4.59
(1,187)	1:7:A:PHE:HA	1:8:A:PHE:HZ	19	4.59
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	2	4.36
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	12	4.35
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	15	4.35
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	16	4.35
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	5	4.3
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	8	4.29
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	10	4.29
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	11	4.29
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	17	4.29
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	1	4.28
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	4	4.28
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	6	4.28
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	18	4.28
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	16	4.27
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	16	4.27
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	3	4.27
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	7	4.27
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	9	4.27
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	13	4.27
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	14	4.27
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	19	4.27
(1,280)	1:8:A:PHE:HZ	1:10:A:ASP:HA	20	4.26
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	1	4.14
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	1	4.14
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	6	4.13
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	6	4.13
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	5	4.12
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	5	4.12
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	13	4.12
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	13	4.12
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	12	4.11
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	12	4.11
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	15	4.11
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	15	4.11
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	17	4.11
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	17	4.11
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	18	4.11
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	18	4.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	20	4.11
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	20	4.11
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	8	4.06
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	8	4.06
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	5	4.0
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	5	4.0
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	11	3.99
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	11	3.99
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	2	3.93
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	2	3.93
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	20	3.88
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	9	3.87
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	9	3.87
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	3	3.86
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	5	3.86
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	10	3.86
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	11	3.86
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	17	3.86
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	7	3.85
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	7	3.85
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	1	3.85
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	4	3.85
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	6	3.85
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	7	3.85
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	9	3.85
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	13	3.85
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	14	3.85
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	16	3.85
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	18	3.85
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	19	3.85
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	2	3.84
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	12	3.84
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	15	3.84
(1,196)	1:7:A:PHE:H	1:8:A:PHE:HZ	8	3.83
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	10	3.78
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	10	3.78
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	11	3.77
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	11	3.77
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	3	3.76
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	3	3.76
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	4	3.71
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	4	3.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	14	3.69
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	14	3.69
(1,420)	1:11:A:PHE:HB2	1:17:A:LYS:HA	20	3.64
(1,420)	1:11:A:PHE:HB3	1:17:A:LYS:HA	20	3.64
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	11	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	11	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	11	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	11	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	11	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	11	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	11	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	11	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	11	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	11	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	11	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	11	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	19	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	19	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	19	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	19	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	19	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	19	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	19	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	19	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	19	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	19	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	19	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	19	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	20	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	20	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	20	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	20	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	20	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	20	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	20	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	20	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	20	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	20	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	20	3.12
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	20	3.12
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	8	3.11
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	8	3.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	8	3.11
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	8	3.11
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	8	3.11
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	8	3.11
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	8	3.11
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	8	3.11
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	8	3.11
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	8	3.11
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	8	3.11
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	8	3.11
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	16	3.11
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	16	3.11
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	16	3.11
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	16	3.11
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	16	3.11
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	16	3.11
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	16	3.11
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	16	3.11
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	16	3.11
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	16	3.11
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	16	3.11
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	16	3.11
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	1	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	1	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	1	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	1	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	1	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	1	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	1	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	1	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	1	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	1	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	1	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	1	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	2	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	2	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	2	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	2	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	2	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	2	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	2	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	2	3.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	2	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	2	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	2	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	2	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	3	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	3	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	3	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	3	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	3	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	3	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	3	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	3	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	3	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	3	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	3	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	3	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	4	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	4	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	4	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	4	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	4	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	4	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	4	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	4	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	4	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	4	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	4	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	4	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	5	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	5	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	5	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	5	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	5	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	5	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	5	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	5	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	5	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	5	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	5	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	5	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	7	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	7	3.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	7	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	7	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	7	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	7	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	7	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	7	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	7	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	7	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	7	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	7	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	9	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	9	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	9	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	9	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	9	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	9	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	9	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	9	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	9	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	9	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	9	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	9	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	10	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	10	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	10	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	10	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	10	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	10	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	10	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	10	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	10	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	10	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	10	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	10	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	14	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	14	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	14	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	14	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	14	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	14	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	14	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	14	3.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	14	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	14	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	14	3.1
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	14	3.1
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	6	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	6	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	6	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	6	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	6	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	6	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	6	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	6	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	6	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	6	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	6	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	6	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	12	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	12	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	12	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	12	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	12	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	12	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	12	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	12	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	12	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	12	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	12	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	12	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	13	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	13	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	13	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	13	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	13	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	13	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	13	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	13	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	13	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	13	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	13	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	13	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	15	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	15	3.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	15	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	15	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	15	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	15	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	15	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	15	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	15	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	15	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	15	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	15	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	17	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	17	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	17	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	17	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	17	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	17	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	17	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	17	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	17	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	17	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	17	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	17	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD11	18	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD12	18	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD13	18	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD21	18	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD22	18	3.09
(1,248)	1:7:A:PHE:HB2	1:13:A:LEU:HD23	18	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD11	18	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD12	18	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD13	18	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD21	18	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD22	18	3.09
(1,248)	1:7:A:PHE:HB3	1:13:A:LEU:HD23	18	3.09
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	20	2.97
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	20	2.97
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	9	2.87
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	9	2.87
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	11	2.87
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	11	2.87
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	12	2.87
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	12	2.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	16	2.87
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	16	2.87
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	1	2.86
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	1	2.86
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	2	2.86
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	2	2.86
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	3	2.86
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	3	2.86
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	4	2.86
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	4	2.86
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	5	2.86
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	5	2.86
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	6	2.86
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	6	2.86
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	7	2.86
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	7	2.86
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	10	2.86
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	10	2.86
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	13	2.86
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	13	2.86
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	14	2.86
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	14	2.86
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	15	2.86
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	15	2.86
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	17	2.86
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	17	2.86
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	18	2.86
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	18	2.86
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	19	2.86
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	19	2.86
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	20	2.86
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	20	2.86
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	2	2.85
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	15	2.85
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	16	2.85
(1,213)	1:7:A:PHE:HE1	1:10:A:ASP:HA	8	2.85
(1,213)	1:7:A:PHE:HE2	1:10:A:ASP:HA	8	2.85
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	12	2.84
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	6	2.83
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	1	2.82
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	5	2.82
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	10	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	17	2.82
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	18	2.82
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	4	2.81
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	7	2.81
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	9	2.81
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	11	2.81
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	13	2.81
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	14	2.81
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	19	2.81
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	3	2.8
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	8	2.8
(1,273)	1:8:A:PHE:HZ	1:9:A:ARG:H	20	2.79
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	5	2.79
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	5	2.79
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	11	2.77
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	11	2.77
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	15	2.76
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	20	2.76
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	1	2.75
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	2	2.75
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	3	2.75
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	4	2.75
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	5	2.75
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	6	2.75
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	7	2.75
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	8	2.75
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	9	2.75
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	10	2.75
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	11	2.75
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	12	2.75
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	13	2.75
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	14	2.75
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	17	2.75
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	18	2.75
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	16	2.74
(1,372)	1:10:A:ASP:HA	1:12:A:ILE:HA	19	2.72
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	19	2.7
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	19	2.7
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	16	2.69
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	16	2.69
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	2	2.69
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	2	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	15	2.69
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	15	2.69
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	2	2.68
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	2	2.68
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	4	2.68
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	4	2.68
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	7	2.68
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	7	2.68
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	9	2.68
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	9	2.68
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	10	2.68
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	10	2.68
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	14	2.68
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	14	2.68
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	16	2.68
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	16	2.68
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	1	2.67
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	1	2.67
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	6	2.67
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	6	2.67
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	8	2.67
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	8	2.67
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	11	2.67
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	11	2.67
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	12	2.67
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	12	2.67
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	13	2.67
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	13	2.67
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	15	2.67
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	15	2.67
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	17	2.67
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	17	2.67
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	18	2.67
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	18	2.67
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	12	2.67
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	12	2.67
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	3	2.66
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	3	2.66
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	20	2.66
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	20	2.66
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	4	2.66
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	4	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	6	2.66
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	6	2.66
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	9	2.66
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	9	2.66
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	10	2.66
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	10	2.66
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	14	2.66
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	14	2.66
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	18	2.66
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	18	2.66
(1,324)	1:9:A:ARG:HB2	1:11:A:PHE:HA	5	2.65
(1,324)	1:9:A:ARG:HB3	1:11:A:PHE:HA	5	2.65
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	6	2.65
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	18	2.65
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	20	2.65
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	1	2.65
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	1	2.65
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	7	2.65
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	7	2.65
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	8	2.65
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	8	2.65
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	13	2.65
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	13	2.65
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	17	2.65
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	17	2.65
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	1	2.64
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	2	2.64
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	3	2.64
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	4	2.64
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	5	2.64
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	7	2.64
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	9	2.64
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	10	2.64
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	11	2.64
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	12	2.64
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	13	2.64
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	14	2.64
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	15	2.64
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	16	2.64
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	17	2.64
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	19	2.64
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	19	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	19	2.64
(1,176)	1:6:A:LYS:HG2	1:11:A:PHE:H	3	2.63
(1,176)	1:6:A:LYS:HG3	1:11:A:PHE:H	3	2.63
(1,268)	1:8:A:PHE:H	1:8:A:PHE:HZ	8	2.62
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	5	2.62
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	5	2.62
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	11	2.62
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	11	2.62
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	20	2.62
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	20	2.62
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	2	2.6
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	2	2.6
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	7	2.6
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	7	2.6
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	12	2.6
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	12	2.6
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	15	2.6
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	15	2.6
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	16	2.6
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	16	2.6
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	1	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	1	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	3	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	3	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	4	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	4	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	6	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	6	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	9	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	9	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	10	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	10	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	13	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	13	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	14	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	14	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	17	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	17	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	18	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	18	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	19	2.59
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	19	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE1	8	2.58
(1,186)	1:7:A:PHE:HA	1:8:A:PHE:HE2	8	2.58
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	20	2.54
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	2	2.52
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	3	2.52
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	5	2.52
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	7	2.52
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	9	2.52
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	11	2.52
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	4	2.51
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	8	2.51
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	12	2.51
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	13	2.51
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	14	2.51
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	16	2.51
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	19	2.51
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	1	2.5
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	6	2.5
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	10	2.5
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	15	2.5
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	17	2.5
(1,350)	1:9:A:ARG:H	1:13:A:LEU:H	18	2.5
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	19	2.46
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	19	2.46
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	1	2.44
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	1	2.44
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	2	2.44
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	2	2.44
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	6	2.44
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	6	2.44
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	7	2.44
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	7	2.44
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	9	2.44
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	9	2.44
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	11	2.44
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	11	2.44
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	13	2.44
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	13	2.44
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	14	2.44
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	14	2.44
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	16	2.44
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	16	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	17	2.44
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	17	2.44
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	3	2.43
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	3	2.43
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	4	2.43
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	4	2.43
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	5	2.43
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	5	2.43
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	10	2.43
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	10	2.43
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	12	2.43
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	12	2.43
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	15	2.43
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	15	2.43
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	18	2.43
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	18	2.43
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	20	2.43
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	20	2.43
(1,405)	1:11:A:PHE:HE1	1:12:A:ILE:HA	8	2.42
(1,405)	1:11:A:PHE:HE2	1:12:A:ILE:HA	8	2.42
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	11	2.39
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	11	2.39
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	11	2.39
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	11	2.39
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	11	2.39
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	11	2.39
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	19	2.38
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	19	2.38
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	19	2.38
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	19	2.38
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	19	2.38
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	19	2.38
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	1	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	1	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	1	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	1	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	1	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	1	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	2	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	2	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	2	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	2	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	2	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	2	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	4	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	4	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	4	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	4	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	4	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	4	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	10	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	10	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	10	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	10	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	10	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	10	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	14	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	14	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	14	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	14	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	14	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	14	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	16	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	16	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	16	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	16	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	16	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	16	2.37
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	5	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	5	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	5	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	5	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	5	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	5	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	6	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	6	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	6	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	6	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	6	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	6	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	7	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	7	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	7	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	7	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	7	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	7	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	9	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	9	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	9	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	9	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	9	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	9	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	13	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	13	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	13	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	13	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	13	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	13	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	15	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	15	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	15	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	15	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	15	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	15	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	20	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	20	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	20	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	20	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	20	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	20	2.36
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	8	2.36
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	8	2.36
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	9	2.36
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	9	2.36
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	17	2.36
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	17	2.36
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	19	2.36
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	19	2.36
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	8	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	8	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	8	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	8	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	8	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	8	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	17	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	17	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	17	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	17	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	17	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	17	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	18	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	18	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	18	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	18	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	18	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	18	2.35
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	3	2.35
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	3	2.35
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	4	2.35
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	4	2.35
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	6	2.35
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	6	2.35
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	7	2.35
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	7	2.35
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	10	2.35
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	10	2.35
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	14	2.35
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	14	2.35
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	18	2.35
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	18	2.35
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	12	2.34
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	12	2.34
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	12	2.34
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	12	2.34
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	12	2.34
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	12	2.34
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	1	2.34
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	1	2.34
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	13	2.34
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	13	2.34
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	2	2.33
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	2	2.33
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	12	2.33
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	12	2.33
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	15	2.33
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	15	2.33
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD11	3	2.33
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD12	3	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD13	3	2.33
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD21	3	2.33
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD22	3	2.33
(1,251)	1:7:A:PHE:HZ	1:13:A:LEU:HD23	3	2.33
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	2	2.33
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	2	2.33
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	15	2.33
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	15	2.33
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	16	2.33
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	16	2.33
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	5	2.32
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	5	2.32
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	7	2.32
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	7	2.32
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	11	2.32
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	11	2.32
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	16	2.32
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	16	2.32
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	19	2.32
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	19	2.32
(1,160)	1:6:A:LYS:HG2	1:8:A:PHE:HA	12	2.32
(1,160)	1:6:A:LYS:HG3	1:8:A:PHE:HA	12	2.32
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	1	2.31
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	1	2.31
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	4	2.31
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	4	2.31
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	8	2.31
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	8	2.31
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	9	2.31
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	9	2.31
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	10	2.31
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	10	2.31
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	13	2.31
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	13	2.31
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	17	2.31
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	17	2.31
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	20	2.31
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	20	2.31
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	3	2.3
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	3	2.3
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	6	2.3
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	6	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	14	2.3
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	14	2.3
(1,277)	1:8:A:PHE:HE1	1:10:A:ASP:HA	18	2.3
(1,277)	1:8:A:PHE:HE2	1:10:A:ASP:HA	18	2.3
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	16	2.25
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	2	2.24
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	2	2.24
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	14	2.24
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	15	2.24
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	16	2.24
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	12	2.23
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	15	2.23
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	1	2.23
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	4	2.23
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	6	2.23
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	9	2.23
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	10	2.23
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	12	2.23
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	8	2.22
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	19	2.22
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	3	2.22
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	7	2.22
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	13	2.22
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	17	2.22
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	18	2.22
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	19	2.22
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	7	2.21
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	9	2.21
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	8	2.21
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	3	2.21
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	3	2.21
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	3	2.21
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	3	2.21
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	1	2.2
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	3	2.2
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	4	2.2
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	5	2.2
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	6	2.2
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	10	2.2
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	11	2.2
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	13	2.2
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	14	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	17	2.2
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	18	2.2
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	3	2.2
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	19	2.2
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	11	2.19
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	4	2.19
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	7	2.19
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	8	2.19
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	9	2.19
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	10	2.19
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	13	2.19
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	14	2.19
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	17	2.19
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	20	2.19
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	9	2.19
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	9	2.19
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	9	2.19
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	9	2.19
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	10	2.19
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	10	2.19
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	10	2.19
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	10	2.19
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	11	2.19
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	11	2.19
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	11	2.19
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	11	2.19
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	16	2.19
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	16	2.19
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	16	2.19
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	16	2.19
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	2	2.18
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	15	2.18
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	20	2.18
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	1	2.18
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	2	2.18
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	6	2.18
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	12	2.18
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	15	2.18
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	16	2.18
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	18	2.18
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	1	2.17
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	3	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	4	2.17
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	5	2.17
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	6	2.17
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	7	2.17
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	9	2.17
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	10	2.17
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	12	2.17
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	13	2.17
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	14	2.17
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	17	2.17
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	18	2.17
(1,289)	1:8:A:PHE:HZ	1:11:A:PHE:H	20	2.17
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	11	2.17
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	16	2.16
(1,203)	1:7:A:PHE:H	1:9:A:ARG:HA	5	2.16
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	8	2.15
(1,384)	1:10:A:ASP:H	1:12:A:ILE:HA	19	2.15
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	19	2.15
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	19	2.15
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	20	2.15
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	20	2.15
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	7	2.14
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	7	2.14
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	9	2.14
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	9	2.14
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	17	2.14
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	17	2.14
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	1	2.13
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	1	2.13
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	4	2.13
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	4	2.13
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	6	2.13
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	6	2.13
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	8	2.13
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	8	2.13
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	10	2.13
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	10	2.13
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	13	2.13
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	13	2.13
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	14	2.13
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	14	2.13
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	19	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	19	2.12
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	19	2.12
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	3	2.12
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	3	2.12
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	18	2.12
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	18	2.12
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	2	2.1
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	2	2.1
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	2	2.1
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	5	2.1
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	5	2.1
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	5	2.1
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	11	2.1
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	11	2.1
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	11	2.1
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	16	2.1
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	16	2.1
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	16	2.1
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	20	2.1
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	20	2.1
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	20	2.1
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	1	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	1	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	1	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	3	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	3	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	3	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	4	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	4	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	4	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	6	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	6	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	6	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	7	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	7	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	7	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	9	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	9	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	9	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	10	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	10	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	10	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	12	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	12	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	12	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	13	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	13	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	13	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	14	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	14	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	14	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	15	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	15	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	15	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	17	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	17	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	17	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	18	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	18	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	18	2.09
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	5	2.09
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	11	2.09
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD11	8	2.08
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD12	8	2.08
(1,373)	1:10:A:ASP:HA	1:12:A:ILE:HD13	8	2.08
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	19	2.08
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	19	2.08
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	19	2.08
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	19	2.08
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	19	2.08
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	19	2.08
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	19	2.08
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	19	2.08
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	19	2.08
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	19	2.08
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	19	2.08
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	19	2.08
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	2	2.08
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	4	2.08
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	11	2.08
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	14	2.08
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	5	2.08
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	20	2.08
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	20	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	20	2.08
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	20	2.08
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	2	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	2	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	2	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	2	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	2	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	2	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	2	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	2	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	2	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	2	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	2	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	2	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	4	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	4	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	4	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	4	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	4	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	4	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	4	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	4	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	4	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	4	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	4	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	4	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	11	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	11	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	11	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	11	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	11	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	11	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	11	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	11	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	11	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	11	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	11	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	11	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	14	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	14	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	14	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	14	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	14	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	14	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	14	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	14	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	14	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	14	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	14	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	14	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	16	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	16	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	16	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	16	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	16	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	16	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	16	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	16	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	16	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	16	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	16	2.07
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	16	2.07
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	1	2.07
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	3	2.07
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	6	2.07
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	7	2.07
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	9	2.07
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	10	2.07
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	13	2.07
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	15	2.07
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	16	2.07
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	17	2.07
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	18	2.07
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	19	2.07
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	20	2.07
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	2	2.07
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	2	2.07
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	12	2.07
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	12	2.07
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	18	2.07
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	18	2.07
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	18	2.07
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	18	2.07
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	1	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	1	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	1	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	1	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	1	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	1	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	1	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	1	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	1	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	1	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	1	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	1	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	6	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	6	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	6	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	6	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	6	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	6	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	6	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	6	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	6	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	6	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	6	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	6	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	7	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	7	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	7	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	7	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	7	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	7	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	7	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	7	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	7	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	7	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	7	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	7	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	8	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	8	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	8	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	8	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	8	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	8	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	8	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	8	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	8	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	8	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	8	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	8	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	9	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	9	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	9	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	9	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	9	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	9	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	9	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	9	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	9	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	9	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	9	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	9	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	10	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	10	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	10	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	10	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	10	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	10	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	10	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	10	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	10	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	10	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	10	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	10	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	13	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	13	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	13	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	13	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	13	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	13	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	13	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	13	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	13	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	13	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	13	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	13	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	15	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	15	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	15	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	15	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	15	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	15	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	15	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	15	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	15	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	15	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	15	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	15	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	17	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	17	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	17	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	17	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	17	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	17	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	17	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	17	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	17	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	17	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	17	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	17	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	20	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	20	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	20	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	20	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	20	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	20	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	20	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	20	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	20	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	20	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	20	2.06
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	20	2.06
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	8	2.06
(1,208)	1:7:A:PHE:HZ	1:9:A:ARG:HA	12	2.06
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	20	2.06
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	15	2.06
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	15	2.06
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	4	2.06
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	4	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	4	2.06
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	4	2.06
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	6	2.06
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	6	2.06
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	6	2.06
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	6	2.06
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	14	2.06
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	14	2.06
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	14	2.06
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	14	2.06
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	5	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	5	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	5	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	5	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	5	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	5	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	5	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	5	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	5	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	5	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	5	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	5	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	12	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	12	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	12	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	12	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	12	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	12	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	12	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	12	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	12	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	12	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	12	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	12	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	18	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	18	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	18	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	18	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	18	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	18	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	18	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	18	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	18	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	18	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	18	2.05
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	18	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	1	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	1	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	2	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	2	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	3	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	3	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	4	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	4	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	5	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	5	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	6	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	6	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	7	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	7	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	8	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	8	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	9	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	9	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	10	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	10	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	12	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	12	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	13	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	13	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	14	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	14	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	15	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	15	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	17	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	17	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	18	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	18	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	19	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	19	2.05
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	20	2.05
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	20	2.05
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	16	2.05
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	16	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	1	2.05
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	1	2.05
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	1	2.05
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	1	2.05
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	15	2.05
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	15	2.05
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	15	2.05
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	15	2.05
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	17	2.05
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	17	2.05
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	17	2.05
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	17	2.05
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD11	3	2.04
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD12	3	2.04
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD13	3	2.04
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD21	3	2.04
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD22	3	2.04
(1,250)	1:7:A:PHE:HE1	1:13:A:LEU:HD23	3	2.04
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD11	3	2.04
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD12	3	2.04
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD13	3	2.04
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD21	3	2.04
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD22	3	2.04
(1,250)	1:7:A:PHE:HE2	1:13:A:LEU:HD23	3	2.04
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	11	2.04
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	11	2.04
(1,201)	1:7:A:PHE:HE1	1:9:A:ARG:HA	16	2.04
(1,201)	1:7:A:PHE:HE2	1:9:A:ARG:HA	16	2.04
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	5	2.04
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	11	2.04
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	2	2.03
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	7	2.03
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	8	2.03
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	9	2.03
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	12	2.03
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	15	2.03
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	16	2.03
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	18	2.03
(1,174)	1:6:A:LYS:HA	1:11:A:PHE:H	20	2.03
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	8	2.03
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	8	2.03
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	8	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	8	2.03
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	19	2.02
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	1	2.02
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	3	2.02
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	4	2.02
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	6	2.02
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	10	2.02
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	13	2.02
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	14	2.02
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	17	2.02
(1,198)	1:7:A:PHE:HA	1:9:A:ARG:HA	19	2.02
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	7	2.01
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	9	2.01
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	11	2.01
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	14	2.01
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	20	2.01
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	2	2.01
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	3	2.01
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	4	2.01
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	5	2.01
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	6	2.01
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	9	2.01
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	10	2.01
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	11	2.01
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	14	2.01
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	15	2.01
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	16	2.01
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	17	2.01
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	18	2.01
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	20	2.01
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	2	2.01
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	1	2.0
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	2	2.0
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	3	2.0
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	4	2.0
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	5	2.0
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	6	2.0
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	8	2.0
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	10	2.0
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	13	2.0
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	15	2.0
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	16	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	17	2.0
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	18	2.0
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	1	2.0
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	7	2.0
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	8	2.0
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	12	2.0
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	13	2.0
(1,260)	1:8:A:PHE:HA	1:8:A:PHE:HZ	19	2.0
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	12	2.0
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	16	2.0
(1,328)	1:9:A:ARG:H	1:11:A:PHE:HA	12	1.99
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	15	1.95
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	2	1.94
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	2	1.94
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	2	1.94
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	2	1.94
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	11	1.94
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	11	1.94
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	11	1.94
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	11	1.94
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	20	1.94
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	20	1.94
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	20	1.94
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	20	1.94
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	3	1.93
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	3	1.93
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	5	1.93
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	5	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	3	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	3	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	3	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	3	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	4	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	4	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	4	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	4	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	5	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	5	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	5	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	5	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	7	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	7	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	7	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	7	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	8	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	8	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	8	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	8	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	9	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	9	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	9	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	9	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	10	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	10	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	10	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	10	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	12	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	12	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	12	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	12	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	13	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	13	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	13	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	13	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	14	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	14	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	14	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	14	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	15	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	15	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	15	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	15	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	16	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	16	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	16	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	16	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	19	1.93
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	19	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	19	1.93
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	19	1.93
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	18	1.93
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	18	1.93
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	20	1.93
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	7	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	7	1.93
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	8	1.93
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	8	1.93
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	13	1.93
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	13	1.93
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	19	1.93
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	19	1.93
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	12	1.92
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	12	1.92
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	13	1.92
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	13	1.92
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	15	1.92
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	15	1.92
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	17	1.92
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	17	1.92
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	18	1.92
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	18	1.92
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	1	1.92
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	1	1.92
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	1	1.92
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	1	1.92
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	6	1.92
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	6	1.92
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	6	1.92
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	6	1.92
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	17	1.92
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	17	1.92
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	17	1.92
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	17	1.92
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	18	1.92
(1,279)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	18	1.92
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	18	1.92
(1,279)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	18	1.92
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	6	1.92
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	6	1.92
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	10	1.92
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	10	1.92
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	14	1.92
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	14	1.92
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	6	1.91
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	6	1.91
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	8	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	8	1.91
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	1	1.91
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	1	1.91
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	6	1.91
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	6	1.91
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	9	1.91
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	9	1.91
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	17	1.91
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	17	1.91
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	18	1.91
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	18	1.91
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	20	1.9
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	20	1.9
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	19	1.9
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	19	1.9
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	13	1.9
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	13	1.9
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	13	1.9
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	13	1.9
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	4	1.9
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	4	1.9
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD12	11	1.89
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD12	19	1.89
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	1	1.89
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	1	1.89
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	7	1.89
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	7	1.89
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	9	1.89
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	9	1.89
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	16	1.89
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	16	1.89
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	20	1.89
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	20	1.89
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	2	1.89
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	2	1.89
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	2	1.89
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	2	1.89
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	7	1.89
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	7	1.89
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	7	1.89
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	7	1.89
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	12	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	12	1.89
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	12	1.89
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	12	1.89
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD12	5	1.88
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD11	16	1.88
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD13	20	1.88
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	2	1.88
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	2	1.88
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	10	1.88
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	10	1.88
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	14	1.88
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	14	1.88
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	2	1.88
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	2	1.88
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	15	1.88
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	15	1.88
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	16	1.88
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	16	1.88
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	19	1.88
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	19	1.88
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	19	1.88
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	19	1.88
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD11	1	1.87
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD11	2	1.87
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD12	3	1.87
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD13	4	1.87
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD13	7	1.87
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD11	9	1.87
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD13	10	1.87
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD12	12	1.87
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD12	13	1.87
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD12	14	1.87
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	4	1.87
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	4	1.87
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	3	1.87
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	3	1.87
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	4	1.87
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	4	1.87
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	7	1.87
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	7	1.87
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	9	1.87
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	9	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	10	1.87
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	10	1.87
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	11	1.87
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	11	1.87
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	12	1.87
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	12	1.87
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	14	1.87
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	14	1.87
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	1	1.87
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	1	1.87
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	2	1.87
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	2	1.87
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	4	1.87
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	4	1.87
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	6	1.87
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	6	1.87
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	9	1.87
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	9	1.87
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	10	1.87
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	10	1.87
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	14	1.87
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	14	1.87
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	15	1.87
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	15	1.87
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	17	1.87
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	17	1.87
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	18	1.87
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	18	1.87
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD13	6	1.86
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD13	8	1.86
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD11	15	1.86
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD12	17	1.86
(2,9)	1:10:A:ASP:HA	1:12:A:ILE:HD13	18	1.86
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	11	1.86
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	11	1.86
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	19	1.86
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	19	1.86
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	1	1.86
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	1	1.86
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	5	1.86
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	5	1.86
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	8	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	8	1.86
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	13	1.86
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	13	1.86
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG2	17	1.86
(1,206)	1:7:A:PHE:H	1:9:A:ARG:HG3	17	1.86
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	3	1.86
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	3	1.86
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	7	1.86
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	7	1.86
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	12	1.86
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	12	1.86
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	13	1.86
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	13	1.86
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	19	1.86
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	19	1.86
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE1	5	1.86
(1,128)	1:5:A:SER:HB2	1:7:A:PHE:HE2	5	1.86
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE1	5	1.86
(1,128)	1:5:A:SER:HB3	1:7:A:PHE:HE2	5	1.86
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	2	1.86
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	2	1.86
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	12	1.86
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	12	1.86
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB2	16	1.85
(1,412)	1:11:A:PHE:HA	1:13:A:LEU:HB3	16	1.85
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	7	1.85
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	7	1.85
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	7	1.85
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	7	1.85
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	8	1.85
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	8	1.85
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	20	1.85
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	20	1.85
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	3	1.85
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	7	1.85
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	3	1.85
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	3	1.85
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	5	1.85
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	5	1.85
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	3	1.84
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	3	1.84
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	3	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	3	1.84
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	4	1.84
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	4	1.84
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	4	1.84
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	4	1.84
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	13	1.84
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	13	1.84
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	13	1.84
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	13	1.84
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	14	1.84
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	14	1.84
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	14	1.84
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	14	1.84
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	19	1.84
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	19	1.84
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	19	1.84
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	19	1.84
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	2	1.84
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	2	1.84
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	2	1.84
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	2	1.84
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	11	1.84
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	11	1.84
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	11	1.84
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	11	1.84
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	20	1.84
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	20	1.84
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	20	1.84
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	20	1.84
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	19	1.84
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	20	1.84
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	20	1.84
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	1	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	1	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	1	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	1	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	6	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	6	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	6	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	6	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	8	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	8	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	8	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	8	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	9	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	9	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	9	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	9	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	10	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	10	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	10	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	10	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	12	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	12	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	12	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	12	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	17	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	17	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	17	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	17	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	18	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	18	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	18	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	18	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	20	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	20	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	20	1.83
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	20	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	3	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	3	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	3	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	3	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	4	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	4	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	4	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	4	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	5	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	5	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	5	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	5	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	7	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	7	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	7	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	7	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	8	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	8	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	8	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	8	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	9	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	9	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	9	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	9	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	10	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	10	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	10	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	10	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	12	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	12	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	12	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	12	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	13	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	13	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	13	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	13	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	14	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	14	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	14	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	14	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	15	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	15	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	15	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	15	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	16	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	16	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	16	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	16	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	19	1.83
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	19	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	19	1.83
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	19	1.83
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	5	1.83
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	15	1.83
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	15	1.83
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	2	1.82
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	2	1.82
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	2	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	2	1.82
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	5	1.82
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	5	1.82
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	5	1.82
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	5	1.82
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	11	1.82
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	11	1.82
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	11	1.82
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	11	1.82
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	15	1.82
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	15	1.82
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	15	1.82
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	15	1.82
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	1	1.82
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	1	1.82
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	1	1.82
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	1	1.82
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	6	1.82
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	6	1.82
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	6	1.82
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	6	1.82
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	17	1.82
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	17	1.82
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	17	1.82
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	17	1.82
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB2	18	1.82
(1,278)	1:8:A:PHE:HE1	1:10:A:ASP:HB3	18	1.82
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB2	18	1.82
(1,278)	1:8:A:PHE:HE2	1:10:A:ASP:HB3	18	1.82
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	4	1.82
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	9	1.82
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	11	1.82
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	13	1.82
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	14	1.82
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	16	1.82
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	16	1.82
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	16	1.81
(1,286)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	16	1.81
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	16	1.81
(1,286)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	16	1.81
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	1	1.81
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	10	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	18	1.81
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	1	1.8
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	1	1.8
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	2	1.8
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	2	1.8
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	5	1.8
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	5	1.8
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	7	1.8
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	7	1.8
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	12	1.8
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	12	1.8
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	13	1.8
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	13	1.8
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	14	1.8
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	14	1.8
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	19	1.8
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	19	1.8
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	6	1.8
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	17	1.8
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	4	1.79
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	4	1.79
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	8	1.79
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	8	1.79
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	9	1.79
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	9	1.79
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	15	1.79
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	15	1.79
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	16	1.79
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	16	1.79
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB2	11	1.79
(1,48)	1:3:A:ARG:HA	1:4:A:LEU:HB3	11	1.79
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	3	1.78
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	3	1.78
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	10	1.78
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	10	1.78
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	17	1.78
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	17	1.78
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	6	1.77
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	6	1.77
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	11	1.77
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	11	1.77
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	5	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	5	1.76
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	11	1.76
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	11	1.76
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	19	1.76
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	19	1.76
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	20	1.76
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	20	1.76
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	5	1.76
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	5	1.76
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	3	1.76
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	3	1.76
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	3	1.76
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	3	1.76
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	1	1.75
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	1	1.75
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	3	1.75
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	3	1.75
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	4	1.75
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	4	1.75
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	6	1.75
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	6	1.75
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	7	1.75
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	7	1.75
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	8	1.75
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	8	1.75
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	9	1.75
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	9	1.75
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	10	1.75
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	10	1.75
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	13	1.75
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	13	1.75
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	14	1.75
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	14	1.75
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	16	1.75
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	16	1.75
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	17	1.75
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	17	1.75
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	18	1.75
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	18	1.75
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	1	1.75
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	1	1.75
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	2	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	2	1.75
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	4	1.75
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	4	1.75
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	6	1.75
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	6	1.75
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	7	1.75
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	7	1.75
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	8	1.75
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	8	1.75
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	12	1.75
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	12	1.75
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	13	1.75
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	13	1.75
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	14	1.75
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	14	1.75
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	15	1.75
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	15	1.75
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	17	1.75
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	17	1.75
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	18	1.75
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	18	1.75
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	19	1.75
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	19	1.75
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	20	1.75
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	20	1.75
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB2	18	1.75
(1,138)	1:5:A:SER:H	1:9:A:ARG:HB3	18	1.75
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	2	1.74
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	2	1.74
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	12	1.74
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	12	1.74
(1,406)	1:11:A:PHE:HE1	1:12:A:ILE:HB	15	1.74
(1,406)	1:11:A:PHE:HE2	1:12:A:ILE:HB	15	1.74
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	3	1.74
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	3	1.74
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	9	1.74
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	9	1.74
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	10	1.74
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	10	1.74
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	11	1.74
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	11	1.74
(1,202)	1:7:A:PHE:HE1	1:9:A:ARG:H	16	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,202)	1:7:A:PHE:HE2	1:9:A:ARG:H	16	1.74
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	8	1.74
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	8	1.74
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	11	1.73
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	11	1.73
(1,153)	1:6:A:LYS:HD2	1:7:A:PHE:HZ	5	1.72
(1,153)	1:6:A:LYS:HD3	1:7:A:PHE:HZ	5	1.72
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	2	1.69
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	2	1.69
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	11	1.68
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	16	1.68
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	12	1.68
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	12	1.68
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	15	1.68
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	15	1.68
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	16	1.68
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	16	1.68
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	2	1.66
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	4	1.66
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	9	1.66
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	10	1.66
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	14	1.66
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	1	1.65
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	3	1.65
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	7	1.65
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	15	1.65
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	20	1.65
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	13	1.64
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	18	1.64
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	19	1.64
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	10	1.64
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	10	1.64
(1,61)	1:3:A:ARG:HA	1:6:A:LYS:H	8	1.64
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	6	1.63
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	12	1.63
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	11	1.63
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	11	1.63
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	11	1.63
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	19	1.63
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	19	1.63
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	19	1.63
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	1	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	1	1.63
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	6	1.63
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	6	1.63
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	8	1.63
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	8	1.63
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	9	1.63
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	9	1.63
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	13	1.63
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	13	1.63
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	14	1.63
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	14	1.63
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	5	1.62
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	17	1.62
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	4	1.62
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	4	1.62
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	4	1.62
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	7	1.62
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	7	1.62
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	7	1.62
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	9	1.62
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	9	1.62
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	9	1.62
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	20	1.62
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	20	1.62
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	20	1.62
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	14	1.62
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	14	1.62
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	4	1.62
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	4	1.62
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	7	1.62
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	7	1.62
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	17	1.62
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	17	1.62
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	18	1.62
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	18	1.62
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	19	1.62
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	19	1.62
(1,450)	1:12:A:ILE:HB	1:14:A:GLN:H	8	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	2	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	2	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	2	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	3	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	3	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	3	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	10	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	10	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	10	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	13	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	13	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	13	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	14	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	14	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	14	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	16	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	16	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	16	1.61
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	3	1.61
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	8	1.61
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	1	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	1	1.61
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	2	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	2	1.61
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	3	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	3	1.61
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	4	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	4	1.61
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	6	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	6	1.61
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	7	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	7	1.61
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	8	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	8	1.61
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	9	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	9	1.61
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	10	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	10	1.61
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	12	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	12	1.61
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	13	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	13	1.61
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	15	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	15	1.61
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	16	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	16	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	17	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	17	1.61
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	18	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	18	1.61
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	19	1.61
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	19	1.61
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	3	1.61
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	3	1.61
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	1	1.6
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	1	1.6
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	1	1.6
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	5	1.6
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	5	1.6
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	5	1.6
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	6	1.6
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	6	1.6
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	6	1.6
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	17	1.6
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	17	1.6
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	17	1.6
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	18	1.6
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	18	1.6
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	18	1.6
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	1	1.6
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	5	1.6
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	6	1.6
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	12	1.6
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	13	1.6
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	17	1.6
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	18	1.6
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	8	1.59
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	8	1.59
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	8	1.59
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	12	1.59
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	12	1.59
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	12	1.59
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD11	15	1.59
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD12	15	1.59
(1,291)	1:8:A:PHE:HZ	1:12:A:ILE:HD13	15	1.59
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	2	1.59
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	4	1.59
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	7	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	9	1.59
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	10	1.59
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	14	1.59
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	15	1.59
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	19	1.59
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	20	1.59
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	2	1.59
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	2	1.59
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	11	1.58
(1,252)	1:7:A:PHE:HZ	1:13:A:LEU:H	16	1.58
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	5	1.58
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	5	1.58
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	12	1.58
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	12	1.58
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	15	1.58
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	15	1.58
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	16	1.58
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	16	1.58
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	5	1.56
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	5	1.56
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	11	1.55
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	11	1.55
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	11	1.55
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	11	1.55
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB2	20	1.55
(1,105)	1:4:A:LEU:HA	1:8:A:PHE:HB3	20	1.55
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	5	1.54
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	5	1.54
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	10	1.54
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	10	1.54
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	16	1.53
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	16	1.53
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	19	1.53
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	19	1.53
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	1	1.53
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	1	1.53
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	6	1.53
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	6	1.53
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	8	1.53
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	8	1.53
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	9	1.53
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	9	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	13	1.53
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	13	1.53
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	14	1.53
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	14	1.53
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	4	1.52
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	4	1.52
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	7	1.52
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	7	1.52
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	17	1.52
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	17	1.52
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	18	1.52
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	18	1.52
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	19	1.52
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	19	1.52
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	19	1.52
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	19	1.52
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	3	1.51
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	3	1.51
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG21	4	1.5
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG22	8	1.5
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	19	1.5
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	19	1.5
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	19	1.5
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	19	1.5
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	19	1.5
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	19	1.5
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	7	1.5
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	7	1.5
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	16	1.5
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	16	1.5
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	16	1.5
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	16	1.5
(2,15)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	11	1.49
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG21	6	1.49
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG22	9	1.49
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG23	10	1.49
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG21	13	1.49
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG23	14	1.49
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG23	17	1.49
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG22	18	1.49
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	3	1.49
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	3	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	3	1.49
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	3	1.49
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	20	1.49
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	20	1.49
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	20	1.49
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	20	1.49
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	14	1.49
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	14	1.49
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	20	1.49
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	20	1.49
(2,15)	1:12:A:ILE:HG21	1:13:A:LEU:HB3	4	1.48
(2,15)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	10	1.48
(2,15)	1:12:A:ILE:HG21	1:13:A:LEU:HB3	16	1.48
(2,15)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	19	1.48
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG21	1	1.48
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG21	5	1.48
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG23	7	1.48
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG23	11	1.48
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG21	20	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	1	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	1	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	1	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	1	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	2	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	2	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	2	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	2	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	4	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	4	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	4	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	4	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	5	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	5	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	5	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	5	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	6	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	6	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	6	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	6	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	7	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	7	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	7	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	7	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	9	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	9	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	9	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	9	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	11	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	11	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	11	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	11	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	14	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	14	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	14	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	14	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	16	1.48
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	16	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	16	1.48
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	16	1.48
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	1	1.48
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	1	1.48
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	2	1.48
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	2	1.48
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	4	1.48
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	4	1.48
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	6	1.48
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	6	1.48
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	7	1.48
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	7	1.48
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	9	1.48
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	9	1.48
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	10	1.48
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	10	1.48
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	16	1.48
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	16	1.48
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	18	1.48
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	18	1.48
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	15	1.48
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	16	1.48
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	5	1.48
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	5	1.48
(2,15)	1:12:A:ILE:HG21	1:13:A:LEU:HB3	1	1.47
(2,15)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	14	1.47
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG22	12	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG23	15	1.47
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	8	1.47
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	8	1.47
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	8	1.47
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	8	1.47
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	10	1.47
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	10	1.47
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	10	1.47
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	10	1.47
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	12	1.47
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	12	1.47
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	12	1.47
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	12	1.47
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	13	1.47
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	13	1.47
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	13	1.47
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	13	1.47
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	15	1.47
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	15	1.47
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	15	1.47
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	15	1.47
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	17	1.47
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	17	1.47
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	17	1.47
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	17	1.47
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	18	1.47
(1,408)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	18	1.47
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	18	1.47
(1,408)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	18	1.47
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	3	1.47
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	3	1.47
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	8	1.47
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	8	1.47
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	12	1.47
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	12	1.47
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	13	1.47
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	13	1.47
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	17	1.47
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	17	1.47
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	19	1.47
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	2	1.47
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	6	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	8	1.47
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	12	1.47
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	11	1.47
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	11	1.47
(2,15)	1:12:A:ILE:HG21	1:13:A:LEU:HB3	6	1.46
(2,15)	1:12:A:ILE:HG22	1:13:A:LEU:HB3	9	1.46
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG23	2	1.46
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG22	3	1.46
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG21	16	1.46
(2,7)	1:9:A:ARG:HA	1:12:A:ILE:HG23	19	1.46
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	11	1.46
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	11	1.46
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	15	1.46
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	15	1.46
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	1	1.46
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	3	1.46
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	4	1.46
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	5	1.46
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	7	1.46
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	9	1.46
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	10	1.46
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	11	1.46
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	13	1.46
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	14	1.46
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	17	1.46
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	18	1.46
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	19	1.46
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	2	1.46
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	2	1.46
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	11	1.46
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	11	1.46
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	13	1.46
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	13	1.46
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	8	1.46
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	8	1.46
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	8	1.46
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	8	1.46
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	11	1.46
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	11	1.46
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	11	1.46
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	11	1.46
(2,15)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	2	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	7	1.45
(2,15)	1:12:A:ILE:HG21	1:13:A:LEU:HB3	13	1.45
(2,15)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	17	1.45
(2,15)	1:12:A:ILE:HG22	1:13:A:LEU:HB3	18	1.45
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	16	1.45
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	16	1.45
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	20	1.45
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	20	1.45
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	5	1.45
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	5	1.45
(1,159)	1:6:A:LYS:HB2	1:8:A:PHE:H	20	1.45
(1,159)	1:6:A:LYS:HB3	1:8:A:PHE:H	20	1.45
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	11	1.45
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	11	1.45
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB2	20	1.45
(1,104)	1:4:A:LEU:HA	1:8:A:PHE:HB3	20	1.45
(2,15)	1:12:A:ILE:HG21	1:13:A:LEU:HB3	5	1.44
(2,15)	1:12:A:ILE:HG22	1:13:A:LEU:HB3	12	1.44
(2,15)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	15	1.44
(2,15)	1:12:A:ILE:HG21	1:13:A:LEU:HB3	20	1.44
(1,327)	1:9:A:ARG:HG2	1:11:A:PHE:H	5	1.44
(1,327)	1:9:A:ARG:HG3	1:11:A:PHE:H	5	1.44
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	4	1.44
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	7	1.44
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	9	1.44
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	14	1.44
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	16	1.44
(1,180)	1:7:A:PHE:HA	1:7:A:PHE:HZ	20	1.44
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	9	1.44
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	9	1.44
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	10	1.44
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	10	1.44
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	12	1.44
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	12	1.44
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	14	1.44
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	14	1.44
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	17	1.44
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	17	1.44
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	6	1.44
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	6	1.44
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	6	1.44
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	6	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:12:A:ILE:HG22	1:13:A:LEU:HB3	8	1.43
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	10	1.43
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	10	1.43
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	11	1.43
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	11	1.43
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	14	1.43
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	14	1.43
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	1	1.43
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	2	1.43
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	3	1.43
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	6	1.43
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	10	1.43
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	13	1.43
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	17	1.43
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	18	1.43
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	1	1.43
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	1	1.43
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	3	1.43
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	3	1.43
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	4	1.43
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	4	1.43
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	6	1.43
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	6	1.43
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	9	1.43
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	9	1.43
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	9	1.43
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	9	1.43
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	18	1.43
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	18	1.43
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	18	1.43
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	18	1.43
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	20	1.43
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	20	1.43
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	20	1.43
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	20	1.43
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	1	1.42
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	1	1.42
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	2	1.42
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	2	1.42
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	4	1.42
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	4	1.42
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	6	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	6	1.42
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	7	1.42
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	7	1.42
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	11	1.42
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	11	1.42
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	14	1.42
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	14	1.42
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	15	1.42
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	15	1.42
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	17	1.42
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	17	1.42
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	4	1.42
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	7	1.42
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	9	1.42
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	14	1.42
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	8	1.42
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	12	1.42
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	15	1.42
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	11	1.42
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	11	1.42
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	11	1.42
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	11	1.42
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	4	1.42
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	4	1.42
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	4	1.42
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	4	1.42
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	10	1.42
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	10	1.42
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	10	1.42
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	10	1.42
(2,15)	1:12:A:ILE:HG22	1:13:A:LEU:HB3	3	1.41
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	3	1.41
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	3	1.41
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	9	1.41
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	9	1.41
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	10	1.41
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	10	1.41
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	12	1.41
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	12	1.41
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	13	1.41
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	13	1.41
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	16	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	16	1.41
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	18	1.41
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	18	1.41
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	19	1.41
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	19	1.41
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	20	1.41
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	20	1.41
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	1	1.41
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	2	1.41
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	10	1.41
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	11	1.41
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	13	1.41
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	18	1.41
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	11	1.41
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	1	1.41
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	1	1.41
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	1	1.41
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	1	1.41
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	14	1.41
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	14	1.41
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	14	1.41
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	14	1.41
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	5	1.4
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	5	1.4
(1,375)	1:10:A:ASP:HB2	1:12:A:ILE:HA	8	1.4
(1,375)	1:10:A:ASP:HB3	1:12:A:ILE:HA	8	1.4
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	3	1.4
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	6	1.4
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	15	1.4
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	16	1.4
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	17	1.4
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	20	1.4
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	15	1.4
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	15	1.4
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	15	1.4
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	15	1.4
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	12	1.39
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	19	1.39
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	20	1.39
(1,320)	1:9:A:ARG:HA	1:11:A:PHE:HA	5	1.39
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	8	1.38
(1,332)	1:9:A:ARG:HA	1:12:A:ILE:HA	5	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	5	1.37
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	5	1.37
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	5	1.37
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	5	1.37
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	20	1.37
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	20	1.37
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	20	1.37
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	20	1.37
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	17	1.36
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	17	1.36
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	17	1.36
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	17	1.36
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	2	1.35
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	2	1.35
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	9	1.35
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	9	1.35
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	20	1.35
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	20	1.35
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	16	1.35
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	16	1.35
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	18	1.35
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	18	1.35
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	7	1.34
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	7	1.34
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	19	1.34
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	19	1.34
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	20	1.34
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	20	1.34
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	12	1.34
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	12	1.34
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	12	1.34
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	12	1.34
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	12	1.34
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	12	1.34
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	5	1.34
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	5	1.34
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	5	1.34
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	5	1.34
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	2	1.33
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	2	1.33
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	5	1.33
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	5	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	7	1.33
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	7	1.33
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	8	1.33
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	8	1.33
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	9	1.33
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	9	1.33
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	11	1.33
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	11	1.33
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	2	1.33
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	2	1.33
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	2	1.33
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	2	1.33
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	2	1.33
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	2	1.33
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	2	1.33
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	2	1.33
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	2	1.33
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	2	1.33
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	1	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	1	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	4	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	4	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	10	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	10	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	12	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	12	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	13	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	13	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	14	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	14	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	15	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	15	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	16	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	16	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	17	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	17	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	18	1.32
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	18	1.32
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	2	1.32
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	2	1.32
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	10	1.32
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	10	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	15	1.32
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	15	1.32
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	15	1.32
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	15	1.32
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	15	1.32
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	15	1.32
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	15	1.32
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	15	1.32
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	16	1.32
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	16	1.32
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	16	1.32
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	16	1.32
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	16	1.32
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	16	1.32
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	13	1.32
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	13	1.32
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	13	1.32
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	13	1.32
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	4	1.31
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	4	1.31
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	3	1.31
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	3	1.31
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE1	6	1.31
(1,358)	1:10:A:ASP:HA	1:11:A:PHE:HE2	6	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	1	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	1	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	4	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	4	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	6	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	6	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	9	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	9	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	13	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	13	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	14	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	14	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	16	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	16	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	17	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	17	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	18	1.31
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	18	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	3	1.3
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	3	1.3
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	5	1.3
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	5	1.3
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	7	1.3
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	7	1.3
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	8	1.3
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	8	1.3
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	11	1.3
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	11	1.3
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	12	1.3
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	12	1.3
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	5	1.3
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	5	1.3
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	12	1.3
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	12	1.3
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	17	1.3
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	17	1.3
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	20	1.3
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	20	1.3
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	20	1.3
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	20	1.3
(1,175)	1:6:A:LYS:HB2	1:11:A:PHE:H	20	1.3
(1,175)	1:6:A:LYS:HB3	1:11:A:PHE:H	20	1.3
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	5	1.3
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	7	1.3
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	13	1.3
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	20	1.3
(1,59)	1:3:A:ARG:HB2	1:5:A:SER:H	15	1.3
(1,59)	1:3:A:ARG:HB3	1:5:A:SER:H	15	1.3
(2,14)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	11	1.29
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	3	1.29
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	3	1.29
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	1	1.29
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	1	1.29
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	2	1.29
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	2	1.29
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	6	1.29
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	6	1.29
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	17	1.29
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	17	1.29
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	14	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	14	1.29
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	20	1.29
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	20	1.29
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	1	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	1	1.29
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	2	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	2	1.29
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	3	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	3	1.29
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	4	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	4	1.29
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	6	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	6	1.29
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	7	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	7	1.29
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	8	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	8	1.29
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	9	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	9	1.29
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	10	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	10	1.29
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	11	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	11	1.29
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	13	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	13	1.29
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	14	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	14	1.29
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	15	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	15	1.29
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	16	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	16	1.29
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	18	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	18	1.29
(1,234)	1:7:A:PHE:HB2	1:12:A:ILE:H	19	1.29
(1,234)	1:7:A:PHE:HB3	1:12:A:ILE:H	19	1.29
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	11	1.29
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	11	1.29
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	2	1.29
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	19	1.29
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	7	1.29
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	7	1.29
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	7	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	7	1.29
(2,14)	1:12:A:ILE:HG21	1:13:A:LEU:HB3	4	1.28
(2,14)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	10	1.28
(2,14)	1:12:A:ILE:HG21	1:13:A:LEU:HB3	16	1.28
(2,14)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	19	1.28
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	9	1.28
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	9	1.28
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	10	1.28
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	10	1.28
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	11	1.28
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	11	1.28
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	15	1.28
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	15	1.28
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	4	1.28
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	4	1.28
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	10	1.28
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	10	1.28
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	11	1.28
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	11	1.28
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG12	19	1.28
(1,334)	1:9:A:ARG:HA	1:12:A:ILE:HG13	19	1.28
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	11	1.28
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	12	1.28
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	6	1.28
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	6	1.28
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	15	1.28
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	15	1.28
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	18	1.28
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	18	1.28
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	2	1.28
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	2	1.28
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	2	1.28
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	2	1.28
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	2	1.28
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	2	1.28
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	12	1.28
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	12	1.28
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	12	1.28
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	12	1.28
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	12	1.28
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	12	1.28
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	12	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	12	1.28
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	12	1.28
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	12	1.28
(2,14)	1:12:A:ILE:HG21	1:13:A:LEU:HB3	1	1.27
(2,14)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	14	1.27
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	12	1.27
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	12	1.27
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	18	1.27
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	18	1.27
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	15	1.27
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	15	1.27
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	3	1.27
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	3	1.27
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	5	1.27
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	5	1.27
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	8	1.27
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	8	1.27
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	9	1.27
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	9	1.27
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	10	1.27
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	10	1.27
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	17	1.27
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	17	1.27
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	19	1.27
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	19	1.27
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	4	1.27
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	6	1.27
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	14	1.27
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	2	1.27
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	2	1.27
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	4	1.27
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	4	1.27
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	8	1.27
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	8	1.27
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	12	1.27
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	12	1.27
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	13	1.27
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	13	1.27
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	14	1.27
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	14	1.27
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	20	1.27
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	20	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB2	19	1.27
(1,18)	1:2:A:MET:HB2	1:4:A:LEU:HB3	19	1.27
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB2	19	1.27
(1,18)	1:2:A:MET:HB3	1:4:A:LEU:HB3	19	1.27
(2,14)	1:12:A:ILE:HG21	1:13:A:LEU:HB3	6	1.26
(2,14)	1:12:A:ILE:HG22	1:13:A:LEU:HB3	9	1.26
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	7	1.26
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	7	1.26
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	13	1.26
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	13	1.26
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	14	1.26
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	14	1.26
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	1	1.26
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	1	1.26
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	2	1.26
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	2	1.26
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	7	1.26
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	7	1.26
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	9	1.26
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	9	1.26
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	13	1.26
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	13	1.26
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	18	1.26
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	18	1.26
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	1	1.26
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	1	1.26
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	4	1.26
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	4	1.26
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	6	1.26
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	6	1.26
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	7	1.26
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	7	1.26
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	12	1.26
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	12	1.26
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	13	1.26
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	13	1.26
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	14	1.26
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	14	1.26
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	16	1.26
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	16	1.26
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	18	1.26
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	18	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	3	1.26
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	18	1.26
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	1	1.26
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	1	1.26
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	7	1.26
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	7	1.26
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	19	1.26
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	19	1.26
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	16	1.26
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	16	1.26
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	16	1.26
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	16	1.26
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	16	1.26
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	16	1.26
(2,14)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	2	1.25
(2,14)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	7	1.25
(2,14)	1:12:A:ILE:HG21	1:13:A:LEU:HB3	13	1.25
(2,14)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	17	1.25
(2,14)	1:12:A:ILE:HG22	1:13:A:LEU:HB3	18	1.25
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	4	1.25
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	4	1.25
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	6	1.25
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	6	1.25
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	17	1.25
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	17	1.25
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	20	1.25
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	20	1.25
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	2	1.25
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	2	1.25
(1,200)	1:7:A:PHE:HB2	1:9:A:ARG:H	15	1.25
(1,200)	1:7:A:PHE:HB3	1:9:A:ARG:H	15	1.25
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	1	1.25
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	15	1.25
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	3	1.25
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	3	1.25
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	9	1.25
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	9	1.25
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	16	1.25
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	16	1.25
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	17	1.25
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	17	1.25
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	11	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	11	1.25
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	11	1.25
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	11	1.25
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	11	1.25
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	11	1.25
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	15	1.25
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	15	1.25
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	15	1.25
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	15	1.25
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	15	1.25
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	15	1.25
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	3	1.25
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	3	1.25
(2,14)	1:12:A:ILE:HG21	1:13:A:LEU:HB3	5	1.24
(2,14)	1:12:A:ILE:HG22	1:13:A:LEU:HB3	12	1.24
(2,14)	1:12:A:ILE:HG23	1:13:A:LEU:HB3	15	1.24
(2,14)	1:12:A:ILE:HG21	1:13:A:LEU:HB3	20	1.24
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	8	1.24
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	9	1.24
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	17	1.24
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	10	1.24
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	10	1.24
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	8	1.24
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	8	1.24
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	8	1.24
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	8	1.24
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	8	1.24
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	8	1.24
(2,14)	1:12:A:ILE:HG22	1:13:A:LEU:HB3	8	1.23
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	3	1.23
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	3	1.23
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	11	1.23
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	11	1.23
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	20	1.22
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	20	1.22
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	12	1.22
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	12	1.22
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	1	1.22
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	1	1.22
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	2	1.22
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	2	1.22
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	4	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	4	1.22
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	6	1.22
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	6	1.22
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	7	1.22
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	7	1.22
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	11	1.22
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	11	1.22
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	14	1.22
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	14	1.22
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	15	1.22
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	15	1.22
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	17	1.22
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	17	1.22
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	10	1.22
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB2	5	1.22
(1,124)	1:5:A:SER:HA	1:7:A:PHE:HB3	5	1.22
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	5	1.22
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	5	1.22
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	5	1.22
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	5	1.22
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	5	1.22
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	5	1.22
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	19	1.22
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	19	1.22
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	19	1.22
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	19	1.22
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	19	1.22
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	19	1.22
(2,14)	1:12:A:ILE:HG22	1:13:A:LEU:HB3	3	1.21
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	5	1.21
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	5	1.21
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	5	1.21
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	5	1.21
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	3	1.21
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	3	1.21
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	9	1.21
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	9	1.21
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	10	1.21
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	10	1.21
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	12	1.21
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	12	1.21
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	13	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	13	1.21
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	16	1.21
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	16	1.21
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	18	1.21
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	18	1.21
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	19	1.21
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	19	1.21
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	20	1.21
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	20	1.21
(1,127)	1:5:A:SER:HA	1:7:A:PHE:HZ	16	1.21
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	18	1.21
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	18	1.21
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	19	1.2
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	19	1.2
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	19	1.2
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	19	1.2
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	5	1.2
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	5	1.2
(1,381)	1:10:A:ASP:HB2	1:12:A:ILE:HA	8	1.2
(1,381)	1:10:A:ASP:HB3	1:12:A:ILE:HA	8	1.2
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	19	1.2
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	19	1.2
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	19	1.2
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	19	1.2
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	19	1.2
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	2	1.2
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	16	1.2
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	13	1.2
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	13	1.2
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	3	1.19
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	3	1.19
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	3	1.19
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	3	1.19
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	20	1.19
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	20	1.19
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	20	1.19
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	20	1.19
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	16	1.19
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	16	1.19
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	14	1.19
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	14	1.19
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	2	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	2	1.19
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	2	1.19
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	11	1.19
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	11	1.19
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	11	1.19
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	16	1.19
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	16	1.19
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	16	1.19
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	3	1.19
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	3	1.19
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	7	1.19
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	7	1.19
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	9	1.19
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	9	1.19
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	13	1.19
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	13	1.19
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	14	1.19
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	14	1.19
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	2	1.19
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	19	1.19
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	7	1.19
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	7	1.19
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	7	1.19
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	7	1.19
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	7	1.19
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	7	1.19
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	9	1.19
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	9	1.19
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	9	1.19
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	9	1.19
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	9	1.19
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	9	1.19
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	10	1.19
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	10	1.19
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	10	1.19
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	10	1.19
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	10	1.19
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	10	1.19
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	17	1.19
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	17	1.19
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	17	1.19
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	17	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	17	1.19
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	17	1.19
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	15	1.19
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	2	1.19
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	2	1.19
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	6	1.19
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	6	1.19
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	12	1.19
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	12	1.19
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	1	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	1	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	1	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	1	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	2	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	2	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	2	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	2	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	4	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	4	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	4	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	4	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	5	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	5	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	5	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	5	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	6	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	6	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	6	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	6	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	7	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	7	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	7	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	7	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	9	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	9	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	9	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	9	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	11	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	11	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	11	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	11	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	14	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	14	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	14	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	14	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	16	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	16	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	16	1.18
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	16	1.18
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	3	1.18
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	3	1.18
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG2	8	1.18
(1,390)	1:10:A:ASP:HA	1:14:A:GLN:HG3	8	1.18
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	4	1.18
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	4	1.18
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	10	1.18
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	10	1.18
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	11	1.18
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	11	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	3	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	3	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	3	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	4	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	4	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	4	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	7	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	7	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	7	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	9	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	9	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	9	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	10	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	10	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	10	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	14	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	14	1.18
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	14	1.18
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	1	1.18
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	1	1.18
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	4	1.18
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	4	1.18
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	6	1.18
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	6	1.18
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	8	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	8	1.18
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	10	1.18
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	10	1.18
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	17	1.18
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	17	1.18
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	18	1.18
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	18	1.18
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	7	1.18
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	12	1.18
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	16	1.18
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	1	1.18
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	1	1.18
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	1	1.18
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	1	1.18
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	1	1.18
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	1	1.18
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	4	1.18
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	4	1.18
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	4	1.18
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	4	1.18
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	4	1.18
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	4	1.18
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	14	1.18
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	14	1.18
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	14	1.18
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	14	1.18
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	14	1.18
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	14	1.18
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	20	1.18
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	20	1.18
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	20	1.18
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	20	1.18
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	20	1.18
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	20	1.18
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	12	1.18
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	5	1.18
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	5	1.18
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	14	1.18
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	14	1.18
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	15	1.18
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	15	1.18
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	8	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	8	1.17
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	8	1.17
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	8	1.17
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	10	1.17
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	10	1.17
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	10	1.17
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	10	1.17
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	12	1.17
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	12	1.17
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	12	1.17
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	12	1.17
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	13	1.17
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	13	1.17
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	13	1.17
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	13	1.17
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	15	1.17
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	15	1.17
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	15	1.17
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	15	1.17
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	17	1.17
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	17	1.17
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	17	1.17
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	17	1.17
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG12	18	1.17
(1,409)	1:11:A:PHE:HE1	1:12:A:ILE:HG13	18	1.17
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG12	18	1.17
(1,409)	1:11:A:PHE:HE2	1:12:A:ILE:HG13	18	1.17
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	15	1.17
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	15	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	1	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	1	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	1	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	5	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	5	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	5	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	6	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	6	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	6	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	12	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	12	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	12	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	13	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	13	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	13	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	15	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	15	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	15	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	17	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	17	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	17	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	18	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	18	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	18	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	20	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	20	1.17
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	20	1.17
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	2	1.17
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	2	1.17
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	12	1.17
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	12	1.17
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	20	1.17
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	20	1.17
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	4	1.17
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	9	1.17
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	13	1.17
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	14	1.17
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	3	1.17
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	3	1.17
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	3	1.17
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	3	1.17
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	3	1.17
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	3	1.17
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	13	1.17
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	13	1.17
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	13	1.17
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	13	1.17
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	13	1.17
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	13	1.17
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	4	1.17
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	4	1.17
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	9	1.17
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	9	1.17
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	16	1.17
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	16	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	19	1.17
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	19	1.17
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	20	1.17
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	20	1.17
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	8	1.16
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	8	1.16
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	1	1.16
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	1	1.16
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	2	1.16
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	2	1.16
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	7	1.16
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	7	1.16
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	9	1.16
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	9	1.16
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	13	1.16
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	13	1.16
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	18	1.16
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	18	1.16
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	15	1.16
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	15	1.16
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	16	1.16
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	16	1.16
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	1	1.16
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	6	1.16
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	10	1.16
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	15	1.16
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	2	1.16
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	2	1.16
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	16	1.16
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	16	1.16
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	6	1.16
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	6	1.16
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	6	1.16
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	6	1.16
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	6	1.16
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	6	1.16
(1,110)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	18	1.16
(1,110)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	18	1.16
(1,110)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	18	1.16
(1,110)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	18	1.16
(1,110)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	18	1.16
(1,110)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	18	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	1	1.16
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	1	1.16
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	7	1.16
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	7	1.16
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	11	1.16
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	11	1.16
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	6	1.15
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	6	1.15
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	17	1.15
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	17	1.15
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	20	1.15
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	20	1.15
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD11	8	1.15
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD12	8	1.15
(1,333)	1:9:A:ARG:HA	1:12:A:ILE:HD13	8	1.15
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	5	1.15
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	5	1.15
(1,287)	1:8:A:PHE:HB2	1:11:A:PHE:H	11	1.15
(1,287)	1:8:A:PHE:HB3	1:11:A:PHE:H	11	1.15
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	3	1.15
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	8	1.15
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	17	1.15
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	18	1.15
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	12	1.15
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	12	1.15
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	10	1.15
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	10	1.15
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	10	1.15
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG2	17	1.15
(1,9)	1:2:A:MET:HA	1:3:A:ARG:HG3	17	1.15
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	8	1.14
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	8	1.14
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	11	1.14
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	11	1.14
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	11	1.14
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	11	1.14
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	11	1.14
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	11	1.14
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	11	1.14
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	11	1.14
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	11	1.14
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	11	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	11	1.14
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	11	1.14
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	19	1.14
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	19	1.14
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	19	1.14
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	19	1.14
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	19	1.14
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	19	1.14
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	19	1.14
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	19	1.14
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	19	1.14
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	19	1.14
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	19	1.14
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	19	1.14
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	15	1.14
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	15	1.14
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	1	1.14
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	6	1.14
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	9	1.14
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	13	1.14
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	14	1.14
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	18	1.14
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	2	1.14
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	2	1.14
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	2	1.14
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	2	1.14
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	2	1.14
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	2	1.14
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	2	1.14
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	2	1.14
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	2	1.14
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	2	1.14
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	2	1.14
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	2	1.14
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	12	1.14
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	12	1.14
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	12	1.14
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	12	1.14
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	12	1.14
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	12	1.14
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	12	1.14
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	12	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	12	1.14
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	12	1.14
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	12	1.14
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	12	1.14
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	16	1.14
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	16	1.14
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	16	1.14
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	16	1.14
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	16	1.14
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	16	1.14
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	16	1.14
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	16	1.14
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	16	1.14
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	16	1.14
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	16	1.14
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	16	1.14
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	3	1.13
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	3	1.13
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	3	1.13
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	3	1.13
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	5	1.13
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	5	1.13
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	12	1.13
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	12	1.13
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	16	1.13
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	16	1.13
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	19	1.13
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	19	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	4	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	4	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	4	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	4	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	4	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	4	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	4	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	4	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	4	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	4	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	4	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	4	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	8	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	8	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	8	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	8	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	8	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	8	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	8	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	8	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	8	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	8	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	8	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	8	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	9	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	9	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	9	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	9	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	9	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	9	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	9	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	9	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	9	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	9	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	9	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	9	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	10	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	10	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	10	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	10	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	10	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	10	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	10	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	10	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	10	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	10	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	10	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	10	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	14	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	14	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	14	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	14	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	14	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	14	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	14	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	14	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	14	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	14	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	14	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	14	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	16	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	16	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	16	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	16	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	16	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	16	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	16	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	16	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	16	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	16	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	16	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	16	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	20	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	20	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	20	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	20	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	20	1.13
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	20	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	20	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	20	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	20	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	20	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	20	1.13
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	20	1.13
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	20	1.13
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	4	1.13
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	7	1.13
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	8	1.13
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	15	1.13
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	15	1.13
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	15	1.13
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	15	1.13
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	15	1.13
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	15	1.13
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	15	1.13
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	15	1.13
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	15	1.13
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	15	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	15	1.13
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	15	1.13
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	3	1.12
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	3	1.12
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	3	1.12
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	3	1.12
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	3	1.12
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	3	1.12
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	5	1.12
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	5	1.12
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	5	1.12
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	5	1.12
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	5	1.12
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	5	1.12
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	12	1.12
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	12	1.12
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	12	1.12
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	12	1.12
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	12	1.12
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	12	1.12
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	17	1.12
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	17	1.12
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	17	1.12
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	17	1.12
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	17	1.12
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	17	1.12
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	18	1.12
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	18	1.12
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	18	1.12
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	18	1.12
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	18	1.12
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	18	1.12
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	3	1.12
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	3	1.12
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	3	1.12
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	3	1.12
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	3	1.12
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	3	1.12
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	5	1.12
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	5	1.12
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	5	1.12
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	5	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	5	1.12
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	5	1.12
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	12	1.12
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	12	1.12
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	12	1.12
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	12	1.12
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	12	1.12
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	12	1.12
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	17	1.12
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	17	1.12
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	17	1.12
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	17	1.12
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	17	1.12
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	17	1.12
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	18	1.12
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	18	1.12
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	18	1.12
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	18	1.12
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	18	1.12
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	18	1.12
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	12	1.12
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	12	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	1	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	1	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	2	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	2	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	4	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	4	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	6	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	6	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	7	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	7	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	9	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	9	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	10	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	10	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	11	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	11	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	13	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	13	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	14	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	14	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	15	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	15	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	17	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	17	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	18	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	18	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB2	20	1.12
(1,357)	1:10:A:ASP:HA	1:11:A:PHE:HB3	20	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	1	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	1	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	1	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	1	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	1	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	1	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	1	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	1	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	1	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	1	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	1	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	1	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	2	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	2	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	2	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	2	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	2	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	2	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	2	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	2	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	2	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	2	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	2	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	2	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	6	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	6	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	6	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	6	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	6	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	6	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	6	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	6	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	6	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	6	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	6	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	6	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	7	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	7	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	7	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	7	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	7	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	7	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	7	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	7	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	7	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	7	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	7	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	7	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	13	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	13	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	13	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	13	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	13	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	13	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	13	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	13	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	13	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	13	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	13	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	13	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	17	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	17	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	17	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	17	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	17	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	17	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	17	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	17	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	17	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	17	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	17	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	17	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	18	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	18	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	18	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	18	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	18	1.12
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	18	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	18	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	18	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	18	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	18	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	18	1.12
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	18	1.12
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	3	1.12
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	17	1.12
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	19	1.12
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	16	1.12
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	16	1.12
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	16	1.12
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	16	1.12
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	16	1.12
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	16	1.12
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	16	1.12
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	16	1.12
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	16	1.12
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	16	1.12
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	16	1.12
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	16	1.12
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	6	1.11
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	6	1.11
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	6	1.11
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	6	1.11
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	6	1.11
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	6	1.11
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	8	1.11
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	8	1.11
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	8	1.11
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	8	1.11
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	8	1.11
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	8	1.11
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	13	1.11
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	13	1.11
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	13	1.11
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	13	1.11
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	13	1.11
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	13	1.11
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	15	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	15	1.11
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	15	1.11
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	15	1.11
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	15	1.11
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	15	1.11
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	20	1.11
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	20	1.11
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	20	1.11
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	20	1.11
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	20	1.11
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	20	1.11
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	6	1.11
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	6	1.11
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	6	1.11
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	6	1.11
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	6	1.11
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	6	1.11
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	8	1.11
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	8	1.11
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	8	1.11
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	8	1.11
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	8	1.11
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	8	1.11
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	13	1.11
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	13	1.11
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	13	1.11
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	13	1.11
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	13	1.11
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	13	1.11
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	15	1.11
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	15	1.11
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	15	1.11
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	15	1.11
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	15	1.11
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	15	1.11
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	20	1.11
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	20	1.11
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	20	1.11
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	20	1.11
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	20	1.11
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	20	1.11
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	5	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	5	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	3	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	3	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	3	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	3	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	3	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	3	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	3	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	3	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	3	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	3	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	3	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	3	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	5	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	5	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	5	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	5	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	5	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	5	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	5	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	5	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	5	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	5	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	5	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	5	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	12	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	12	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	12	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	12	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	12	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	12	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	12	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	12	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	12	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	12	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	12	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	12	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD11	15	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD12	15	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD13	15	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD21	15	1.11
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD22	15	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:7:A:PHE:HD1	1:13:A:LEU:HD23	15	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD11	15	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD12	15	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD13	15	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD21	15	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD22	15	1.11
(1,249)	1:7:A:PHE:HD2	1:13:A:LEU:HD23	15	1.11
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	10	1.11
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	10	1.11
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	2	1.11
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	2	1.11
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	2	1.11
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	2	1.11
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	2	1.11
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	2	1.11
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	2	1.11
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	2	1.11
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	2	1.11
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	2	1.11
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	2	1.11
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	2	1.11
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	11	1.11
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	11	1.11
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	11	1.11
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	11	1.11
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	11	1.11
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	11	1.11
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	11	1.11
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	11	1.11
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	11	1.11
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	11	1.11
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	11	1.11
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	11	1.11
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	12	1.11
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	12	1.11
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	12	1.11
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	12	1.11
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	12	1.11
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	12	1.11
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	12	1.11
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	12	1.11
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	12	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	12	1.11
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	12	1.11
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	12	1.11
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	15	1.11
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	15	1.11
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	15	1.11
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	15	1.11
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	15	1.11
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	15	1.11
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	15	1.11
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	15	1.11
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	15	1.11
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	15	1.11
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	15	1.11
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	15	1.11
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	1	1.1
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	1	1.1
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	1	1.1
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	1	1.1
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	1	1.1
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	1	1.1
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	2	1.1
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	2	1.1
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	2	1.1
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	2	1.1
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	2	1.1
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	2	1.1
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	7	1.1
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	7	1.1
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	7	1.1
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	7	1.1
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	7	1.1
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	7	1.1
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	9	1.1
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	9	1.1
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	9	1.1
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	9	1.1
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	9	1.1
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	9	1.1
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	14	1.1
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	14	1.1
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	14	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	14	1.1
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	14	1.1
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	14	1.1
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	19	1.1
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	19	1.1
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	19	1.1
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	19	1.1
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	19	1.1
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	19	1.1
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	1	1.1
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	1	1.1
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	1	1.1
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	1	1.1
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	1	1.1
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	1	1.1
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	2	1.1
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	2	1.1
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	2	1.1
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	2	1.1
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	2	1.1
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	2	1.1
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	7	1.1
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	7	1.1
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	7	1.1
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	7	1.1
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	7	1.1
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	7	1.1
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	9	1.1
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	9	1.1
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	9	1.1
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	9	1.1
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	9	1.1
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	9	1.1
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	14	1.1
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	14	1.1
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	14	1.1
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	14	1.1
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	14	1.1
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	14	1.1
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	19	1.1
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	19	1.1
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	19	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	19	1.1
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	19	1.1
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	19	1.1
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	15	1.1
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	15	1.1
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	1	1.1
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	1	1.1
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	6	1.1
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	6	1.1
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	13	1.1
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	13	1.1
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	20	1.1
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	20	1.1
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	20	1.1
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	20	1.1
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	20	1.1
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	20	1.1
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	20	1.1
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	20	1.1
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	20	1.1
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	20	1.1
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	20	1.1
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	20	1.1
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	4	1.09
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	4	1.09
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	4	1.09
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	4	1.09
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	4	1.09
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	4	1.09
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	10	1.09
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	10	1.09
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	10	1.09
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	10	1.09
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	10	1.09
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	10	1.09
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	11	1.09
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	11	1.09
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	11	1.09
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	11	1.09
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	11	1.09
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	11	1.09
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	16	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	16	1.09
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	16	1.09
(1,446)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	16	1.09
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	16	1.09
(1,446)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	16	1.09
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	4	1.09
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	4	1.09
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	4	1.09
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	4	1.09
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	4	1.09
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	4	1.09
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	10	1.09
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	10	1.09
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	10	1.09
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	10	1.09
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	10	1.09
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	10	1.09
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	11	1.09
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	11	1.09
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	11	1.09
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	11	1.09
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	11	1.09
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	11	1.09
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB2	16	1.09
(1,445)	1:12:A:ILE:HD11	1:13:A:LEU:HB3	16	1.09
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB2	16	1.09
(1,445)	1:12:A:ILE:HD12	1:13:A:LEU:HB3	16	1.09
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB2	16	1.09
(1,445)	1:12:A:ILE:HD13	1:13:A:LEU:HB3	16	1.09
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	16	1.09
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	16	1.09
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	4	1.09
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	11	1.09
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	15	1.09
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	20	1.09
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	2	1.09
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	2	1.09
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	12	1.09
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	12	1.09
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	18	1.09
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	18	1.09
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	5	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	4	1.09
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	4	1.09
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	7	1.09
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	7	1.09
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	9	1.09
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	9	1.09
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	14	1.09
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	14	1.09
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	18	1.09
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	18	1.09
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	8	1.09
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	8	1.09
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	8	1.09
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	8	1.09
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	8	1.09
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	8	1.09
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	8	1.09
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	8	1.09
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	8	1.09
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	8	1.09
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	8	1.09
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	8	1.09
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	19	1.08
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	19	1.08
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB2	19	1.08
(1,388)	1:10:A:ASP:HA	1:14:A:GLN:HB3	19	1.08
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	1	1.08
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	2	1.08
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	3	1.08
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	5	1.08
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	6	1.08
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	7	1.08
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	9	1.08
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	10	1.08
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	12	1.08
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	13	1.08
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	14	1.08
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	17	1.08
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	18	1.08
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	2	1.08
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	2	1.08
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	7	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	7	1.08
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	9	1.08
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	9	1.08
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	10	1.08
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	10	1.08
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	16	1.08
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	16	1.08
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	19	1.08
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	19	1.08
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	1	1.08
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	1	1.08
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	4	1.08
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	4	1.08
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	6	1.08
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	6	1.08
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	7	1.08
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	7	1.08
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	10	1.08
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	10	1.08
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	13	1.08
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	13	1.08
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	14	1.08
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	14	1.08
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	16	1.08
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	16	1.08
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	17	1.08
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	17	1.08
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	17	1.08
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	17	1.08
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	19	1.08
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	19	1.08
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	9	1.08
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	9	1.08
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	9	1.08
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	9	1.08
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	9	1.08
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	9	1.08
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	9	1.08
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	9	1.08
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	9	1.08
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	9	1.08
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	9	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	9	1.08
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	17	1.08
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	17	1.08
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	17	1.08
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	17	1.08
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	17	1.08
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	17	1.08
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	17	1.08
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	17	1.08
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	17	1.08
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	17	1.08
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	17	1.08
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	17	1.08
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	8	1.07
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	16	1.07
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	1	1.07
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	1	1.07
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	4	1.07
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	4	1.07
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	6	1.07
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	6	1.07
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	8	1.07
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	8	1.07
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	11	1.07
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	11	1.07
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	12	1.07
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	12	1.07
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	13	1.07
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	13	1.07
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	14	1.07
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	14	1.07
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	15	1.07
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	15	1.07
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	17	1.07
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	17	1.07
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	5	1.07
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	5	1.07
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	8	1.07
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	8	1.07
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	9	1.07
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	9	1.07
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	16	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	16	1.07
(1,139)	1:5:A:SER:H	1:9:A:ARG:H	11	1.07
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	4	1.07
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	4	1.07
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	4	1.07
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	4	1.07
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	4	1.07
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	4	1.07
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	4	1.07
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	4	1.07
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	4	1.07
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	4	1.07
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	4	1.07
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	4	1.07
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	7	1.07
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	7	1.07
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	7	1.07
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	7	1.07
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	7	1.07
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	7	1.07
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	7	1.07
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	7	1.07
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	7	1.07
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	7	1.07
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	7	1.07
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	7	1.07
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	10	1.07
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	10	1.07
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	10	1.07
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	10	1.07
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	10	1.07
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	10	1.07
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	10	1.07
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	10	1.07
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	10	1.07
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	10	1.07
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	10	1.07
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	10	1.07
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	18	1.07
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	18	1.07
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	18	1.07
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	18	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	18	1.07
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	18	1.07
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	18	1.07
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	18	1.07
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	18	1.07
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	18	1.07
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	18	1.07
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	18	1.07
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	19	1.07
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	19	1.07
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	19	1.07
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	19	1.07
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	19	1.07
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	19	1.07
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	19	1.07
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	19	1.07
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	19	1.07
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	19	1.07
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	19	1.07
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	19	1.07
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	8	1.06
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	8	1.06
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	5	1.06
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	5	1.06
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	18	1.06
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	18	1.06
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	3	1.06
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	3	1.06
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	20	1.06
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	20	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	2	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	2	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	4	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	4	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	6	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	6	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	8	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	8	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	9	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	9	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	10	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	10	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	12	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	12	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	15	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	15	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	17	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	17	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	19	1.06
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	19	1.06
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	3	1.06
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	3	1.06
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	20	1.06
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	1	1.06
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	1	1.06
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	1	1.06
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	1	1.06
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	1	1.06
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	1	1.06
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	1	1.06
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	1	1.06
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	1	1.06
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	1	1.06
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	1	1.06
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	1	1.06
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	5	1.06
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	5	1.06
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	5	1.06
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	5	1.06
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	5	1.06
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	5	1.06
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	5	1.06
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	5	1.06
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	5	1.06
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	5	1.06
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	5	1.06
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	5	1.06
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	6	1.06
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	6	1.06
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	6	1.06
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	6	1.06
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	6	1.06
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	6	1.06
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	6	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	6	1.06
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	6	1.06
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	6	1.06
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	6	1.06
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	6	1.06
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	14	1.06
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	14	1.06
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	14	1.06
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	14	1.06
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	14	1.06
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	14	1.06
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	14	1.06
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	14	1.06
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	14	1.06
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	14	1.06
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	14	1.06
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	14	1.06
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	1	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	1	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	1	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	1	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	1	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	1	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	3	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	3	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	3	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	3	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	3	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	3	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	6	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	6	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	6	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	6	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	6	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	6	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	10	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	10	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	10	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	10	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	10	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	10	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	16	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	16	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	16	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	16	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	16	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	16	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	19	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	19	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	19	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	19	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	19	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	19	1.05
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	3	1.05
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	3	1.05
(1,325)	1:9:A:ARG:HB2	1:11:A:PHE:H	20	1.05
(1,325)	1:9:A:ARG:HB3	1:11:A:PHE:H	20	1.05
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	1	1.05
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	1	1.05
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	2	1.05
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	2	1.05
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	4	1.05
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	4	1.05
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	6	1.05
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	6	1.05
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	7	1.05
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	7	1.05
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	10	1.05
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	10	1.05
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	12	1.05
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	12	1.05
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	13	1.05
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	13	1.05
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	14	1.05
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	14	1.05
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	15	1.05
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	15	1.05
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	17	1.05
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	17	1.05
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	18	1.05
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	18	1.05
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	11	1.05
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	11	1.05
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	1	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	1	1.05
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	3	1.05
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	3	1.05
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	5	1.05
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	5	1.05
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	7	1.05
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	7	1.05
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	11	1.05
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	11	1.05
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	13	1.05
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	13	1.05
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	14	1.05
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	14	1.05
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	18	1.05
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	18	1.05
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	2	1.05
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	2	1.05
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	2	1.05
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	2	1.05
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	16	1.05
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	16	1.05
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	16	1.05
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	16	1.05
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	5	1.05
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	3	1.05
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	3	1.05
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	3	1.05
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	3	1.05
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	3	1.05
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	3	1.05
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	3	1.05
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	3	1.05
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	3	1.05
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	3	1.05
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	3	1.05
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	3	1.05
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	13	1.05
(1,99)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	13	1.05
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	13	1.05
(1,99)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	13	1.05
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	13	1.05
(1,99)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	13	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	13	1.05
(1,99)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	13	1.05
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	13	1.05
(1,99)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	13	1.05
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	13	1.05
(1,99)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	13	1.05
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	2	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	2	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	2	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	2	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	2	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	2	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	4	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	4	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	4	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	4	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	4	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	4	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	7	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	7	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	7	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	7	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	7	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	7	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	8	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	8	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	8	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	8	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	8	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	8	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	9	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	9	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	9	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	9	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	9	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	9	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	11	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	11	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	11	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	11	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	11	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	11	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	12	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	12	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	12	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	12	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	12	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	12	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	13	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	13	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	13	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	13	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	13	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	13	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	14	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	14	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	14	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	14	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	14	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	14	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	15	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	15	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	15	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	15	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	15	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	15	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	17	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	17	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	17	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	17	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	17	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	17	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	18	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	18	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	18	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	18	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	18	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	18	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	1	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	1	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	1	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	1	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	2	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	2	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	2	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	2	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	3	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	3	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	3	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	3	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	5	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	5	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	5	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	5	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	6	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	6	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	6	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	6	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	8	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	8	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	8	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	8	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	11	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	11	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	11	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	11	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	15	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	15	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	15	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	15	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	16	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	16	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	16	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	16	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	18	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	18	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	18	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	18	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	20	1.04
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	20	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	20	1.04
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	20	1.04
(1,374)	1:10:A:ASP:HA	1:12:A:ILE:H	19	1.04
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	9	1.04
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	9	1.04
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	16	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	16	1.04
(1,224)	1:7:A:PHE:HB2	1:11:A:PHE:HA	19	1.04
(1,224)	1:7:A:PHE:HB3	1:11:A:PHE:HA	19	1.04
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE1	20	1.04
(1,178)	1:7:A:PHE:HA	1:7:A:PHE:HE2	20	1.04
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	19	1.04
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	19	1.04
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	19	1.04
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	19	1.04
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	8	1.04
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	8	1.04
(1,106)	1:4:A:LEU:HA	1:8:A:PHE:H	11	1.04
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	2	1.04
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	2	1.04
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	2	1.04
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	2	1.04
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	2	1.04
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	2	1.04
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	2	1.04
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	2	1.04
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	2	1.04
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	2	1.04
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	2	1.04
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	2	1.04
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	12	1.04
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	12	1.04
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	12	1.04
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	12	1.04
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	12	1.04
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	12	1.04
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	12	1.04
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	12	1.04
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	12	1.04
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	12	1.04
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	12	1.04
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	12	1.04
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	16	1.04
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	16	1.04
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	16	1.04
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	16	1.04
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	16	1.04
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	16	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	16	1.04
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	16	1.04
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	16	1.04
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	16	1.04
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	16	1.04
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	16	1.04
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	5	1.03
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	5	1.03
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	5	1.03
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	5	1.03
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	5	1.03
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	5	1.03
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD11	20	1.03
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD12	20	1.03
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD13	20	1.03
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD21	20	1.03
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD22	20	1.03
(1,413)	1:11:A:PHE:HA	1:13:A:LEU:HD23	20	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	4	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	4	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	4	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	4	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	7	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	7	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	7	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	7	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	9	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	9	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	9	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	9	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	10	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	10	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	10	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	10	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	12	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	12	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	12	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	12	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	13	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	13	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	13	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	13	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	14	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	14	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	14	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	14	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	17	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	17	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	17	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	17	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	19	1.03
(1,378)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	19	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	19	1.03
(1,378)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	19	1.03
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	3	1.03
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	3	1.03
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	8	1.03
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	8	1.03
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	20	1.03
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	20	1.03
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	20	1.03
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	20	1.03
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	20	1.03
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	20	1.03
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	15	1.03
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	15	1.03
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	15	1.03
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	15	1.03
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	15	1.03
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	15	1.03
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	15	1.03
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	15	1.03
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	15	1.03
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	15	1.03
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	15	1.03
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	15	1.03
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	5	1.02
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	5	1.02
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	19	1.02
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	19	1.02
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	8	1.02
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	8	1.02
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	8	1.02
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	8	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	19	1.02
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	19	1.02
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	5	1.02
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	5	1.02
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	11	1.02
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	11	1.02
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	1	1.02
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	1	1.02
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	2	1.02
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	2	1.02
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	3	1.02
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	3	1.02
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	4	1.02
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	4	1.02
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	6	1.02
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	6	1.02
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	7	1.02
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	7	1.02
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	9	1.02
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	9	1.02
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	10	1.02
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	10	1.02
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	12	1.02
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	12	1.02
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	13	1.02
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	13	1.02
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	14	1.02
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	14	1.02
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	15	1.02
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	15	1.02
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	16	1.02
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	16	1.02
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	17	1.02
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	17	1.02
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	18	1.02
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	18	1.02
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	7	1.02
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	7	1.02
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	7	1.02
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	7	1.02
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	20	1.02
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	20	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	20	1.02
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	20	1.02
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	20	1.02
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	20	1.02
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	8	1.01
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	8	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	1	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	1	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	1	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	1	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	3	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	3	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	3	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	3	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	4	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	4	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	4	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	4	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	5	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	5	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	5	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	5	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	6	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	6	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	6	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	6	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	9	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	9	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	9	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	9	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	10	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	10	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	10	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	10	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	11	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	11	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	11	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	11	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	12	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	12	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	12	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	12	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	13	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	13	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	13	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	13	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	14	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	14	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	14	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	14	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	15	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	15	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	15	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	15	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	17	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	17	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	17	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	17	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	18	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	18	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	18	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	18	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	20	1.01
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	20	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	20	1.01
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	20	1.01
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	5	1.01
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	5	1.01
(1,225)	1:7:A:PHE:HB2	1:11:A:PHE:H	11	1.01
(1,225)	1:7:A:PHE:HB3	1:11:A:PHE:H	11	1.01
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	1	1.01
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	1	1.01
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	8	1.01
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	8	1.01
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	10	1.01
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	10	1.01
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	12	1.01
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	12	1.01
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	17	1.01
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	17	1.01
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	8	1.01
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	8	1.01
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	19	1.01
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	19	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	6	1.01
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	6	1.01
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	6	1.01
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	6	1.01
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	15	1.01
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	15	1.01
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	15	1.01
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	15	1.01
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	18	1.01
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	18	1.01
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	18	1.01
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	18	1.01
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	5	1.01
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	5	1.01
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	11	1.01
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	11	1.01
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	11	1.01
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	11	1.01
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	11	1.01
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	11	1.01
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	11	1.01
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	11	1.01
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	11	1.01
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	11	1.01
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	11	1.01
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	11	1.01
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	19	1.0
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	19	1.0
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	2	1.0
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	2	1.0
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	6	1.0
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	6	1.0
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	7	1.0
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	7	1.0
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	9	1.0
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	9	1.0
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	11	1.0
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	11	1.0
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	12	1.0
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	12	1.0
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	13	1.0
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	13	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	14	1.0
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	14	1.0
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	16	1.0
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	16	1.0
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	17	1.0
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	17	1.0
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	20	1.0
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	20	1.0
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	2	1.0
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	2	1.0
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	2	1.0
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	2	1.0
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	7	1.0
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	7	1.0
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	7	1.0
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	7	1.0
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	16	1.0
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	16	1.0
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	16	1.0
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	16	1.0
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	19	1.0
(1,232)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	19	1.0
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	19	1.0
(1,232)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	19	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	2	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	2	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	4	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	4	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	7	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	7	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	9	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	9	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	13	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	13	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	14	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	14	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	15	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	15	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	16	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	16	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	19	1.0
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	19	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	3	1.0
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	3	1.0
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	3	1.0
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	3	1.0
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	9	1.0
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	9	1.0
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	9	1.0
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	9	1.0
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	12	1.0
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	12	1.0
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	12	1.0
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	12	1.0
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	3	0.99
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	3	0.99
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	3	0.99
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	3	0.99
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	3	0.99
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	3	0.99
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	3	0.99
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	3	0.99
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	3	0.99
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	3	0.99
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	3	0.99
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	3	0.99
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	1	0.99
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	1	0.99
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	3	0.99
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	3	0.99
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	4	0.99
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	4	0.99
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	10	0.99
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	10	0.99
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	15	0.99
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	15	0.99
(1,410)	1:11:A:PHE:HE1	1:12:A:ILE:H	18	0.99
(1,410)	1:11:A:PHE:HE2	1:12:A:ILE:H	18	0.99
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	5	0.99
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	5	0.99
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	20	0.99
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	20	0.99
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	3	0.99
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	3	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	4	0.99
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	4	0.99
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	4	0.99
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	4	0.99
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	11	0.99
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	11	0.99
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	11	0.99
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	11	0.99
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	13	0.99
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	13	0.99
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	13	0.99
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	13	0.99
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	7	0.99
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	7	0.99
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	7	0.99
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	7	0.99
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	7	0.99
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	7	0.99
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	19	0.99
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	19	0.99
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	19	0.99
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	19	0.99
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	19	0.99
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	19	0.99
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	20	0.99
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	20	0.99
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	20	0.99
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	20	0.99
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	20	0.99
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	20	0.99
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	14	0.98
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	14	0.98
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	14	0.98
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	14	0.98
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	14	0.98
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	14	0.98
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	14	0.98
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	14	0.98
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	14	0.98
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	14	0.98
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	14	0.98
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	14	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	20	0.98
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	20	0.98
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	20	0.98
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	20	0.98
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	20	0.98
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	20	0.98
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	20	0.98
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	20	0.98
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	20	0.98
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	20	0.98
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	20	0.98
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	20	0.98
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB2	19	0.98
(1,387)	1:10:A:ASP:HA	1:14:A:GLN:HB3	19	0.98
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	5	0.98
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	8	0.98
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	8	0.98
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	11	0.98
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	11	0.98
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	20	0.98
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	20	0.98
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	5	0.98
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	5	0.98
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	8	0.98
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	8	0.98
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	11	0.98
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	11	0.98
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	15	0.98
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	15	0.98
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	16	0.98
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	16	0.98
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	6	0.98
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	6	0.98
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB2	18	0.98
(1,204)	1:7:A:PHE:H	1:9:A:ARG:HB3	18	0.98
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	10	0.98
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	10	0.98
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	10	0.98
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	10	0.98
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	14	0.98
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	14	0.98
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	14	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	14	0.98
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	10	0.98
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	10	0.98
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	10	0.98
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	10	0.98
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	10	0.98
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	10	0.98
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	13	0.98
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	13	0.98
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	13	0.98
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	13	0.98
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	13	0.98
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	13	0.98
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	14	0.98
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	14	0.98
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	14	0.98
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	14	0.98
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	14	0.98
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	14	0.98
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	19	0.98
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	19	0.98
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	19	0.98
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	19	0.98
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	19	0.98
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	19	0.98
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	19	0.98
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	19	0.98
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	19	0.98
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	19	0.98
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	19	0.98
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	19	0.98
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	9	0.98
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	9	0.98
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	9	0.98
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	9	0.98
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	1	0.97
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	1	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	1	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	1	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	1	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	1	0.97
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	1	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	1	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	1	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	1	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	1	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	1	0.97
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	4	0.97
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	4	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	4	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	4	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	4	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	4	0.97
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	4	0.97
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	4	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	4	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	4	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	4	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	4	0.97
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	5	0.97
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	5	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	5	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	5	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	5	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	5	0.97
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	5	0.97
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	5	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	5	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	5	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	5	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	5	0.97
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	6	0.97
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	6	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	6	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	6	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	6	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	6	0.97
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	6	0.97
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	6	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	6	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	6	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	6	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	6	0.97
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	7	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	7	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	7	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	7	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	7	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	7	0.97
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	7	0.97
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	7	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	7	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	7	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	7	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	7	0.97
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	8	0.97
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	8	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	8	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	8	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	8	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	8	0.97
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	8	0.97
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	8	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	8	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	8	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	8	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	8	0.97
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	12	0.97
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	12	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	12	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	12	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	12	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	12	0.97
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	12	0.97
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	12	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	12	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	12	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	12	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	12	0.97
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	13	0.97
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	13	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	13	0.97
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	13	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	13	0.97
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	13	0.97
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	13	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	13	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	13	0.97
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	13	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	13	0.97
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	13	0.97
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	6	0.97
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	8	0.97
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	11	0.97
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	15	0.97
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	18	0.97
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	20	0.97
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	1	0.97
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	1	0.97
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	3	0.97
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	3	0.97
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	4	0.97
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	4	0.97
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	6	0.97
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	6	0.97
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	9	0.97
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	9	0.97
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	10	0.97
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	10	0.97
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	13	0.97
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	13	0.97
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	14	0.97
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	14	0.97
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	17	0.97
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	17	0.97
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	18	0.97
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	18	0.97
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	19	0.97
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	19	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	1	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	1	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	2	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	2	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	3	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	3	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	4	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	4	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	6	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	6	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	7	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	7	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	9	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	9	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	10	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	10	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	12	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	12	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	13	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	13	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	14	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	14	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	17	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	17	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	18	0.97
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	18	0.97
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	5	0.97
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	5	0.97
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	5	0.97
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	5	0.97
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	17	0.97
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	17	0.97
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	17	0.97
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	17	0.97
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB2	11	0.97
(1,129)	1:5:A:SER:H	1:7:A:PHE:HB3	11	0.97
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	1	0.97
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	1	0.97
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	1	0.97
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	1	0.97
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	1	0.97
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	1	0.97
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	4	0.97
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	4	0.97
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	4	0.97
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	4	0.97
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	4	0.97
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	4	0.97
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	6	0.97
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	6	0.97
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	6	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	6	0.97
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	6	0.97
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	6	0.97
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	8	0.97
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	8	0.97
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	8	0.97
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	8	0.97
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	8	0.97
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	8	0.97
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	9	0.97
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	9	0.97
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	9	0.97
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	9	0.97
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	9	0.97
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	9	0.97
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	4	0.97
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	4	0.97
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	4	0.97
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	4	0.97
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	4	0.97
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	4	0.97
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	4	0.97
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	4	0.97
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	4	0.97
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	4	0.97
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	4	0.97
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	4	0.97
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	5	0.97
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	5	0.97
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	5	0.97
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	5	0.97
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	5	0.97
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	5	0.97
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	5	0.97
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	5	0.97
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	5	0.97
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	5	0.97
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	5	0.97
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	5	0.97
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	7	0.97
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	7	0.97
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	7	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	7	0.97
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	7	0.97
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	7	0.97
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	7	0.97
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	7	0.97
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	7	0.97
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	7	0.97
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	7	0.97
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	7	0.97
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	9	0.97
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	9	0.97
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	9	0.97
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	9	0.97
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	9	0.97
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	9	0.97
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	9	0.97
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	9	0.97
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	9	0.97
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	9	0.97
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	9	0.97
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	9	0.97
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	10	0.97
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	10	0.97
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	10	0.97
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	10	0.97
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	10	0.97
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	10	0.97
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	10	0.97
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	10	0.97
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	10	0.97
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	10	0.97
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	10	0.97
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	10	0.97
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	17	0.97
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	17	0.97
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	17	0.97
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	17	0.97
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	17	0.97
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	17	0.97
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	17	0.97
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	17	0.97
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	17	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	17	0.97
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	17	0.97
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	17	0.97
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	3	0.97
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	3	0.97
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	3	0.97
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	3	0.97
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	17	0.97
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	17	0.97
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	17	0.97
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	17	0.97
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	9	0.96
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	9	0.96
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	9	0.96
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	9	0.96
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	9	0.96
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	9	0.96
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	9	0.96
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	9	0.96
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	9	0.96
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	9	0.96
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	9	0.96
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	9	0.96
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	10	0.96
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	10	0.96
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	10	0.96
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	10	0.96
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	10	0.96
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	10	0.96
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	10	0.96
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	10	0.96
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	10	0.96
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	10	0.96
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	10	0.96
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	10	0.96
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	11	0.96
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	11	0.96
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	11	0.96
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	11	0.96
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	11	0.96
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	11	0.96
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	11	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	11	0.96
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	11	0.96
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	11	0.96
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	11	0.96
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	11	0.96
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	17	0.96
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	17	0.96
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	17	0.96
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	17	0.96
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	17	0.96
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	17	0.96
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	17	0.96
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	17	0.96
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	17	0.96
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	17	0.96
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	17	0.96
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	17	0.96
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	18	0.96
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	18	0.96
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	18	0.96
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	18	0.96
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	18	0.96
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	18	0.96
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	18	0.96
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	18	0.96
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	18	0.96
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	18	0.96
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	18	0.96
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	18	0.96
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	3	0.96
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	3	0.96
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	5	0.96
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	5	0.96
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	8	0.96
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	8	0.96
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	12	0.96
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	12	0.96
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	19	0.96
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	19	0.96
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	1	0.96
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	2	0.96
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	4	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	9	0.96
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	10	0.96
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	11	0.96
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	14	0.96
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	16	0.96
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	1	0.96
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	2	0.96
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	3	0.96
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	4	0.96
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	7	0.96
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	9	0.96
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	10	0.96
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	12	0.96
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	13	0.96
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	14	0.96
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	16	0.96
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	17	0.96
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	2	0.96
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	2	0.96
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	7	0.96
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	7	0.96
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	12	0.96
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	12	0.96
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	15	0.96
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	15	0.96
(1,376)	1:10:A:ASP:HB2	1:12:A:ILE:HB	16	0.96
(1,376)	1:10:A:ASP:HB3	1:12:A:ILE:HB	16	0.96
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB2	19	0.96
(1,329)	1:9:A:ARG:H	1:11:A:PHE:HB3	19	0.96
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	1	0.96
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	1	0.96
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	1	0.96
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	1	0.96
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	8	0.96
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	19	0.96
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	3	0.96
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	3	0.96
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	3	0.96
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	3	0.96
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	3	0.96
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	3	0.96
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	17	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	17	0.96
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	17	0.96
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	17	0.96
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	17	0.96
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	17	0.96
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	18	0.96
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	18	0.96
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	18	0.96
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	18	0.96
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	18	0.96
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	18	0.96
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	1	0.96
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	1	0.96
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	1	0.96
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	1	0.96
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	1	0.96
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	1	0.96
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	1	0.96
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	1	0.96
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	1	0.96
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	1	0.96
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	1	0.96
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	1	0.96
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	3	0.96
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	3	0.96
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	3	0.96
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	3	0.96
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	3	0.96
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	3	0.96
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	3	0.96
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	3	0.96
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	3	0.96
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	3	0.96
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	3	0.96
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	3	0.96
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	6	0.96
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	6	0.96
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	6	0.96
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	6	0.96
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	6	0.96
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	6	0.96
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	6	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	6	0.96
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	6	0.96
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	6	0.96
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	6	0.96
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	6	0.96
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	13	0.96
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	13	0.96
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	13	0.96
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	13	0.96
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	13	0.96
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	13	0.96
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	13	0.96
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	13	0.96
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	13	0.96
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	13	0.96
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	13	0.96
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	13	0.96
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	14	0.96
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	14	0.96
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	14	0.96
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	14	0.96
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	14	0.96
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	14	0.96
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	14	0.96
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	14	0.96
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	14	0.96
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	14	0.96
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	14	0.96
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	14	0.96
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	19	0.96
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	19	0.96
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	19	0.96
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	19	0.96
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	19	0.95
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	19	0.95
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	2	0.95
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	2	0.95
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	2	0.95
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	2	0.95
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	2	0.95
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	2	0.95
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	2	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	2	0.95
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	2	0.95
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	2	0.95
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	2	0.95
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	2	0.95
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	15	0.95
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	15	0.95
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	15	0.95
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	15	0.95
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	15	0.95
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	15	0.95
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	15	0.95
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	15	0.95
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	15	0.95
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	15	0.95
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	15	0.95
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	15	0.95
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	1	0.95
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	1	0.95
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	2	0.95
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	2	0.95
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	6	0.95
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	6	0.95
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	7	0.95
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	7	0.95
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	9	0.95
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	9	0.95
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	10	0.95
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	10	0.95
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	13	0.95
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	13	0.95
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	14	0.95
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	14	0.95
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	15	0.95
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	15	0.95
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	16	0.95
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	16	0.95
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	17	0.95
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	17	0.95
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	18	0.95
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	18	0.95
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	20	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	20	0.95
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	6	0.95
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	7	0.95
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	8	0.95
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	12	0.95
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	13	0.95
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	15	0.95
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	17	0.95
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	18	0.95
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	19	0.95
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	7	0.95
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	7	0.95
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	7	0.95
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	7	0.95
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	20	0.95
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	20	0.95
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	18	0.95
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	18	0.95
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	18	0.95
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	18	0.95
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	18	0.95
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	18	0.95
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	18	0.95
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	18	0.95
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	18	0.95
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	18	0.95
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	18	0.95
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	18	0.95
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	4	0.95
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	4	0.95
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	4	0.95
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	4	0.95
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	7	0.95
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	7	0.95
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	7	0.95
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	7	0.95
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	18	0.95
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	18	0.95
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	18	0.95
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	18	0.95
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	4	0.94
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	4	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,448)	1:12:A:ILE:HG12	1:13:A:LEU:H	11	0.94
(1,448)	1:12:A:ILE:HG13	1:13:A:LEU:H	11	0.94
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	3	0.94
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	5	0.94
(1,415)	1:11:A:PHE:HA	1:13:A:LEU:HG	20	0.94
(1,385)	1:10:A:ASP:H	1:12:A:ILE:HB	19	0.94
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	3	0.94
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	3	0.94
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	3	0.94
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	3	0.94
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	4	0.94
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	4	0.94
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	4	0.94
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	4	0.94
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	13	0.94
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	13	0.94
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	13	0.94
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	13	0.94
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	14	0.94
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	14	0.94
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	14	0.94
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	14	0.94
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	19	0.94
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	19	0.94
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	19	0.94
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	19	0.94
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD2	8	0.94
(1,170)	1:6:A:LYS:HB2	1:9:A:ARG:HD3	8	0.94
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD2	8	0.94
(1,170)	1:6:A:LYS:HB3	1:9:A:ARG:HD3	8	0.94
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	4	0.94
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	6	0.94
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	7	0.94
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	13	0.94
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	14	0.94
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	18	0.94
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	5	0.94
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	5	0.94
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	5	0.94
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	5	0.94
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	5	0.94
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	5	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	8	0.94
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	8	0.94
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	8	0.94
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	8	0.94
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	8	0.94
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	8	0.94
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	8	0.94
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	8	0.94
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	8	0.94
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	8	0.94
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	8	0.94
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	8	0.94
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	14	0.94
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	14	0.94
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	14	0.94
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	14	0.94
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	16	0.93
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	16	0.93
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	16	0.93
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	16	0.93
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	16	0.93
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	16	0.93
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	16	0.93
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	16	0.93
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	16	0.93
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	16	0.93
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	16	0.93
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	16	0.93
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB2	19	0.93
(1,474)	1:13:A:LEU:HD11	1:14:A:GLN:HB3	19	0.93
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB2	19	0.93
(1,474)	1:13:A:LEU:HD12	1:14:A:GLN:HB3	19	0.93
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB2	19	0.93
(1,474)	1:13:A:LEU:HD13	1:14:A:GLN:HB3	19	0.93
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB2	19	0.93
(1,474)	1:13:A:LEU:HD21	1:14:A:GLN:HB3	19	0.93
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB2	19	0.93
(1,474)	1:13:A:LEU:HD22	1:14:A:GLN:HB3	19	0.93
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB2	19	0.93
(1,474)	1:13:A:LEU:HD23	1:14:A:GLN:HB3	19	0.93
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	1	0.93
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	1	0.93
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	4	0.93
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	4	0.93
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	4	0.93
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	6	0.93
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	6	0.93
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	6	0.93
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	10	0.93
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	10	0.93
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	10	0.93
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	15	0.93
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	15	0.93
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	15	0.93
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	17	0.93
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	17	0.93
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	17	0.93
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	18	0.93
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	18	0.93
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	18	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	1	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	1	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	1	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	1	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	6	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	6	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	6	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	6	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	8	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	8	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	8	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	8	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	9	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	9	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	9	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	9	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	10	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	10	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	10	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	10	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	12	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	12	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	12	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	12	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	17	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	17	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	17	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	17	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	18	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	18	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	18	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	18	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	20	0.93
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	20	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	20	0.93
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	20	0.93
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	5	0.93
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	5	0.93
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	1	0.93
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	9	0.93
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	12	0.93
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	15	0.93
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	17	0.93
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	1	0.93
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	1	0.93
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	1	0.93
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	1	0.93
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	6	0.93
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	6	0.93
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	6	0.93
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	6	0.93
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	10	0.93
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	10	0.93
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	10	0.93
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	10	0.93
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	2	0.92
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	2	0.92
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	2	0.92
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	3	0.92
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	3	0.92
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	3	0.92
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	5	0.92
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	5	0.92
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	5	0.92
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	7	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	7	0.92
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	7	0.92
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	8	0.92
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	8	0.92
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	8	0.92
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	9	0.92
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	9	0.92
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	9	0.92
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	11	0.92
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	11	0.92
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	11	0.92
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	12	0.92
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	12	0.92
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	12	0.92
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	13	0.92
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	13	0.92
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	13	0.92
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	14	0.92
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	14	0.92
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	14	0.92
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	20	0.92
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	20	0.92
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	20	0.92
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	2	0.92
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	2	0.92
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	10	0.92
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	10	0.92
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	15	0.92
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	15	0.92
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	2	0.92
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	2	0.92
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	2	0.92
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	2	0.92
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	5	0.92
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	5	0.92
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	5	0.92
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	5	0.92
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	11	0.92
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	11	0.92
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	11	0.92
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	11	0.92
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	15	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	15	0.92
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	15	0.92
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	15	0.92
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	2	0.92
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	3	0.92
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	10	0.92
(1,88)	1:4:A:LEU:HD11	1:6:A:LYS:H	11	0.92
(1,88)	1:4:A:LEU:HD12	1:6:A:LYS:H	11	0.92
(1,88)	1:4:A:LEU:HD13	1:6:A:LYS:H	11	0.92
(1,88)	1:4:A:LEU:HD21	1:6:A:LYS:H	11	0.92
(1,88)	1:4:A:LEU:HD22	1:6:A:LYS:H	11	0.92
(1,88)	1:4:A:LEU:HD23	1:6:A:LYS:H	11	0.92
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	13	0.92
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	13	0.92
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	13	0.92
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	13	0.92
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	8	0.92
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	8	0.92
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	8	0.92
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	8	0.92
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	8	0.92
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	8	0.92
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	8	0.92
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	8	0.92
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	8	0.92
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	8	0.92
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	8	0.92
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	8	0.92
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	16	0.91
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	16	0.91
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	16	0.91
(1,444)	1:12:A:ILE:HD11	1:13:A:LEU:HA	19	0.91
(1,444)	1:12:A:ILE:HD12	1:13:A:LEU:HA	19	0.91
(1,444)	1:12:A:ILE:HD13	1:13:A:LEU:HA	19	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	1	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	1	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	4	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	4	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	6	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	6	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	9	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	9	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	13	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	13	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	14	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	14	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	16	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	16	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	17	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	17	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	18	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	18	0.91
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB2	16	0.91
(1,285)	1:8:A:PHE:HB2	1:11:A:PHE:HB3	16	0.91
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB2	16	0.91
(1,285)	1:8:A:PHE:HB3	1:11:A:PHE:HB3	16	0.91
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	11	0.91
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	11	0.91
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	16	0.91
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	11	0.91
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	11	0.91
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	11	0.91
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	11	0.91
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	11	0.91
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	11	0.91
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	11	0.91
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	11	0.91
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	11	0.91
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	11	0.91
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	11	0.91
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	11	0.91
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	3	0.9
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	3	0.9
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	5	0.9
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	5	0.9
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	7	0.9
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	7	0.9
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	8	0.9
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	8	0.9
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	11	0.9
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	11	0.9
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	12	0.9
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	12	0.9
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	8	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	8	0.9
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	8	0.9
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	8	0.9
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	20	0.89
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	20	0.89
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	20	0.89
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG12	19	0.88
(1,335)	1:9:A:ARG:HA	1:12:A:ILE:HG13	19	0.88
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	11	0.88
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	19	0.88
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	19	0.88
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	19	0.88
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	19	0.88
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	19	0.88
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	19	0.88
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	19	0.88
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	19	0.88
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	19	0.88
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	19	0.88
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	19	0.88
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	19	0.88
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	2	0.87
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	2	0.87
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	5	0.87
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	5	0.87
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	7	0.87
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	7	0.87
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	8	0.87
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	8	0.87
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	9	0.87
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	9	0.87
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	10	0.87
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	10	0.87
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	11	0.87
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	11	0.87
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	12	0.87
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	12	0.87
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	14	0.87
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	14	0.87
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	15	0.87
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	15	0.87
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	16	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	16	0.87
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	17	0.87
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	17	0.87
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	19	0.87
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	19	0.87
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	20	0.87
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	20	0.87
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	11	0.87
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	11	0.87
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	11	0.87
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	11	0.87
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	4	0.87
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	4	0.87
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	4	0.87
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	4	0.87
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	4	0.87
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	4	0.87
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	4	0.87
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	4	0.87
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	4	0.87
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	4	0.87
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	4	0.87
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	4	0.87
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	5	0.87
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	5	0.87
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	5	0.87
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	5	0.87
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	5	0.87
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	5	0.87
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	5	0.87
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	5	0.87
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	5	0.87
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	5	0.87
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	5	0.87
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	5	0.87
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	7	0.87
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	7	0.87
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	7	0.87
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	7	0.87
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	7	0.87
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	7	0.87
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	7	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	7	0.87
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	7	0.87
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	7	0.87
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	7	0.87
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	7	0.87
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	9	0.87
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	9	0.87
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	9	0.87
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	9	0.87
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	9	0.87
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	9	0.87
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	9	0.87
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	9	0.87
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	9	0.87
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	9	0.87
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	9	0.87
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	9	0.87
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	10	0.87
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	10	0.87
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	10	0.87
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	10	0.87
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	10	0.87
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	10	0.87
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	10	0.87
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	10	0.87
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	10	0.87
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	10	0.87
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	10	0.87
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	10	0.87
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	17	0.87
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	17	0.87
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	17	0.87
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	17	0.87
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	17	0.87
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	17	0.87
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	17	0.87
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	17	0.87
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	17	0.87
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	17	0.87
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	17	0.87
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	17	0.87
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	19	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	19	0.86
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	1	0.86
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	1	0.86
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	3	0.86
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	3	0.86
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	4	0.86
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	4	0.86
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	6	0.86
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	6	0.86
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	13	0.86
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	13	0.86
(1,270)	1:8:A:PHE:HB2	1:9:A:ARG:HA	18	0.86
(1,270)	1:8:A:PHE:HB3	1:9:A:ARG:HA	18	0.86
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	4	0.86
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	4	0.86
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	10	0.86
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	10	0.86
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	16	0.86
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	16	0.86
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	4	0.86
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	9	0.86
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	10	0.86
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	14	0.86
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	5	0.86
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	5	0.86
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	3	0.86
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	3	0.86
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	4	0.86
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	4	0.86
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	5	0.86
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	5	0.86
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	9	0.86
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	9	0.86
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	10	0.86
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	10	0.86
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	14	0.86
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	14	0.86
(1,137)	1:5:A:SER:HA	1:9:A:ARG:H	5	0.86
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	1	0.86
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	1	0.86
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	1	0.86
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	1	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	1	0.86
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	1	0.86
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	1	0.86
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	1	0.86
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	1	0.86
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	1	0.86
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	1	0.86
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	1	0.86
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	3	0.86
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	3	0.86
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	3	0.86
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	3	0.86
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	3	0.86
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	3	0.86
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	3	0.86
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	3	0.86
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	3	0.86
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	3	0.86
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	3	0.86
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	3	0.86
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	6	0.86
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	6	0.86
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	6	0.86
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	6	0.86
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	6	0.86
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	6	0.86
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	6	0.86
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	6	0.86
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	6	0.86
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	6	0.86
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	6	0.86
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	6	0.86
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	13	0.86
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	13	0.86
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	13	0.86
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	13	0.86
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	13	0.86
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	13	0.86
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	13	0.86
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	13	0.86
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	13	0.86
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	13	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	13	0.86
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	13	0.86
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	14	0.86
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	14	0.86
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	14	0.86
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	14	0.86
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	14	0.86
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	14	0.86
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	14	0.86
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	14	0.86
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	14	0.86
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	14	0.86
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	14	0.86
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	14	0.86
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	5	0.86
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	5	0.86
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	5	0.86
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	5	0.86
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	2	0.85
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	2	0.85
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	3	0.85
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	3	0.85
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	7	0.85
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	7	0.85
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	9	0.85
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	9	0.85
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	14	0.85
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	14	0.85
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	18	0.85
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	18	0.85
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	2	0.85
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	2	0.85
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	3	0.85
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	3	0.85
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	9	0.85
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	9	0.85
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	11	0.85
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	11	0.85
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	14	0.85
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	14	0.85
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	19	0.85
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	19	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	1	0.85
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	3	0.85
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	6	0.85
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	7	0.85
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	8	0.85
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	13	0.85
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	15	0.85
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	17	0.85
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	18	0.85
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	19	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	1	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	1	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	2	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	2	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	6	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	6	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	7	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	7	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	12	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	12	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	13	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	13	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	16	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	16	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	17	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	17	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	18	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	18	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	19	0.85
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	19	0.85
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	18	0.85
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	18	0.85
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	18	0.85
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	18	0.85
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	18	0.85
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	18	0.85
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	18	0.85
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	18	0.85
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	18	0.85
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	18	0.85
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	18	0.85
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	18	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	4	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	4	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	6	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	6	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	8	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	8	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	12	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	12	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	13	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	13	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	15	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	15	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	16	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	16	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	17	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	17	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	20	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	20	0.84
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	1	0.84
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	1	0.84
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	7	0.84
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	7	0.84
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	15	0.84
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	15	0.84
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	17	0.84
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	17	0.84
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	18	0.84
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	18	0.84
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	2	0.84
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	12	0.84
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	16	0.84
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	8	0.84
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	8	0.84
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD2	15	0.84
(1,142)	1:6:A:LYS:HA	1:6:A:LYS:HD3	15	0.84
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	8	0.84
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	8	0.84
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	8	0.84
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	8	0.84
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	8	0.84
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	8	0.84
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	8	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	8	0.84
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	8	0.84
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	8	0.84
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	8	0.84
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	8	0.84
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	12	0.84
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	12	0.84
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	12	0.84
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	12	0.84
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	1	0.83
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	1	0.83
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	5	0.83
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	5	0.83
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	10	0.83
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	10	0.83
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB2	11	0.83
(1,339)	1:9:A:ARG:HA	1:13:A:LEU:HB3	11	0.83
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	20	0.83
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	20	0.83
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	6	0.83
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	6	0.83
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	13	0.83
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	13	0.83
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	20	0.83
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	20	0.83
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	7	0.83
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	7	0.83
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	13	0.83
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	13	0.83
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	19	0.83
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	19	0.83
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	20	0.83
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	20	0.83
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	7	0.82
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	7	0.82
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	11	0.82
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	11	0.82
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	14	0.82
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	14	0.82
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	19	0.82
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	19	0.82
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	12	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	12	0.82
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	3	0.82
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	3	0.82
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	5	0.82
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	5	0.82
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	2	0.82
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	2	0.82
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	2	0.81
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	2	0.81
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	3	0.81
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	3	0.81
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	4	0.81
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	4	0.81
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	5	0.81
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	5	0.81
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	9	0.81
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	9	0.81
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	10	0.81
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	10	0.81
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	13	0.81
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	13	0.81
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	8	0.81
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	8	0.81
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	20	0.81
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	20	0.81
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	5	0.81
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	5	0.81
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	11	0.81
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	11	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	1	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	1	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	4	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	4	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	5	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	5	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	6	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	6	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	7	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	7	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	9	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	9	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	10	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	10	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	11	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	11	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	13	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	13	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	14	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	14	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	16	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	16	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	17	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	17	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	18	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	18	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	19	0.81
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	19	0.81
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	2	0.81
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	2	0.81
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	12	0.81
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	12	0.81
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	1	0.8
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	1	0.8
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	6	0.8
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	6	0.8
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	17	0.8
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	17	0.8
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	18	0.8
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	18	0.8
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	2	0.8
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	2	0.8
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	3	0.8
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	3	0.8
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	4	0.8
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	4	0.8
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	7	0.8
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	7	0.8
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	9	0.8
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	9	0.8
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	12	0.8
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	12	0.8
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	13	0.8
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	13	0.8
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	15	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	15	0.8
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	16	0.8
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	16	0.8
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	19	0.8
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	19	0.8
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	20	0.8
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	20	0.8
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	2	0.8
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	2	0.8
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	12	0.8
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	12	0.8
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	15	0.8
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	15	0.8
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	1	0.8
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	1	0.8
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	10	0.8
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	10	0.8
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	17	0.8
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	17	0.8
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	7	0.8
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	7	0.8
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	12	0.8
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	12	0.8
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	13	0.8
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	13	0.8
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	19	0.8
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	19	0.8
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	15	0.8
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	15	0.8
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	15	0.8
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	15	0.8
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	6	0.79
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	6	0.79
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	12	0.79
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	12	0.79
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	15	0.79
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	15	0.79
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	16	0.79
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	16	0.79
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	1	0.79
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	1	0.79
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	3	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	3	0.79
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	8	0.79
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	8	0.79
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	13	0.79
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	13	0.79
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	17	0.79
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	17	0.79
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	20	0.79
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	20	0.79
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	1	0.79
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	1	0.79
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	6	0.79
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	6	0.79
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	8	0.79
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	8	0.79
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	10	0.79
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	10	0.79
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	14	0.79
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	14	0.79
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	17	0.79
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	17	0.79
(1,216)	1:7:A:PHE:HE1	1:10:A:ASP:H	18	0.79
(1,216)	1:7:A:PHE:HE2	1:10:A:ASP:H	18	0.79
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE1	8	0.79
(1,194)	1:7:A:PHE:H	1:8:A:PHE:HE2	8	0.79
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	3	0.79
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	3	0.79
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	4	0.79
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	4	0.79
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	9	0.79
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	9	0.79
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	11	0.79
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	11	0.79
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	14	0.79
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	14	0.79
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	14	0.79
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	14	0.79
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	1	0.78
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	1	0.78
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	15	0.78
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	15	0.78
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	18	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	18	0.78
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE1	8	0.78
(1,283)	1:8:A:PHE:HA	1:11:A:PHE:HE2	8	0.78
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	5	0.78
(1,254)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	5	0.78
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	4	0.78
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	4	0.78
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	5	0.78
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	5	0.78
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	6	0.78
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	6	0.78
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	7	0.78
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	7	0.78
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	9	0.78
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	9	0.78
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	10	0.78
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	10	0.78
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	11	0.78
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	11	0.78
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	12	0.78
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	12	0.78
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	14	0.78
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	14	0.78
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	15	0.78
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	15	0.78
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	18	0.78
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	18	0.78
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	19	0.78
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	19	0.78
(1,171)	1:6:A:LYS:HB2	1:9:A:ARG:H	20	0.78
(1,171)	1:6:A:LYS:HB3	1:9:A:ARG:H	20	0.78
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	6	0.78
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	6	0.78
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	18	0.78
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	18	0.78
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	5	0.78
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	5	0.78
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	10	0.78
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	10	0.78
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD11	2	0.77
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD11	16	0.77
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	19	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	11	0.77
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	11	0.77
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	12	0.77
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	12	0.77
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	17	0.77
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	17	0.77
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	2	0.77
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	2	0.77
(1,237)	1:7:A:PHE:HE1	1:12:A:ILE:HB	16	0.77
(1,237)	1:7:A:PHE:HE2	1:12:A:ILE:HB	16	0.77
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	20	0.77
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	8	0.77
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	8	0.77
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	1	0.77
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	1	0.77
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	4	0.77
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	4	0.77
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	6	0.77
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	6	0.77
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	9	0.77
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	9	0.77
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	16	0.77
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	16	0.77
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	2	0.77
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	2	0.77
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	2	0.77
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	2	0.77
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD11	1	0.76
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD13	4	0.76
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD13	6	0.76
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD11	9	0.76
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD13	10	0.76
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	12	0.76
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	14	0.76
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD11	15	0.76
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	17	0.76
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD13	18	0.76
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	10	0.76
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	10	0.76
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	5	0.76
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	5	0.76
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	19	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	19	0.76
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	19	0.76
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	19	0.76
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	5	0.76
(1,229)	1:7:A:PHE:H	1:11:A:PHE:H	11	0.76
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	16	0.76
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	16	0.76
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	20	0.76
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	20	0.76
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	20	0.76
(1,84)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	20	0.76
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	20	0.76
(1,84)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	20	0.76
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	20	0.76
(1,84)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	20	0.76
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	20	0.76
(1,84)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	20	0.76
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	20	0.76
(1,84)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	20	0.76
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	20	0.76
(1,84)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	20	0.76
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	7	0.76
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	7	0.76
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	7	0.76
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	7	0.76
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	3	0.75
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	5	0.75
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD13	7	0.75
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD13	8	0.75
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	13	0.75
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	14	0.75
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	14	0.75
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE1	15	0.75
(1,130)	1:5:A:SER:H	1:7:A:PHE:HE2	15	0.75
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	3	0.75
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	3	0.75
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	15	0.75
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	15	0.75
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	17	0.75
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	17	0.75
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	16	0.75
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	16	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	16	0.75
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	16	0.75
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	19	0.75
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	19	0.75
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	19	0.75
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	19	0.75
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD12	11	0.74
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	1	0.74
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	1	0.74
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	11	0.74
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	11	0.74
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	18	0.74
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	18	0.74
(2,1)	1:7:A:PHE:HA	1:12:A:ILE:HD13	20	0.73
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	3	0.73
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	3	0.73
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	4	0.73
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	4	0.73
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	5	0.73
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	5	0.73
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	8	0.73
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	8	0.73
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	13	0.73
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	13	0.73
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	15	0.73
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	15	0.73
(1,534)	1:15:A:ARG:HA	1:17:A:LYS:H	16	0.73
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	5	0.73
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	5	0.73
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	11	0.73
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	11	0.73
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	8	0.73
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	8	0.73
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	8	0.72
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	8	0.72
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	12	0.72
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	12	0.72
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	17	0.72
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	17	0.72
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	8	0.72
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	8	0.72
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	8	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	8	0.72
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	6	0.71
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	6	0.71
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	13	0.71
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	13	0.71
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	18	0.71
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	18	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	1	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	1	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	1	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	1	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	3	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	3	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	3	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	3	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	4	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	4	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	4	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	4	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	5	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	5	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	5	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	5	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	6	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	6	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	6	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	6	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	9	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	9	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	9	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	9	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	10	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	10	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	10	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	10	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	11	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	11	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	11	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	11	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	12	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	12	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	12	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	12	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	13	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	13	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	13	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	13	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	14	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	14	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	14	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	14	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	15	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	15	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	15	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	15	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	17	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	17	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	17	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	17	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	18	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	18	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	18	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	18	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	20	0.71
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	20	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	20	0.71
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	20	0.71
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	5	0.71
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	12	0.71
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	12	0.71
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	12	0.71
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	12	0.71
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	15	0.71
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	15	0.71
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	15	0.71
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	15	0.71
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	20	0.7
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	20	0.7
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	8	0.7
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	8	0.7
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	2	0.7
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	3	0.7
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	6	0.7
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	7	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	8	0.7
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	9	0.7
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	10	0.7
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	12	0.7
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	13	0.7
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	14	0.7
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	15	0.7
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	16	0.7
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	19	0.7
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	2	0.7
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	2	0.7
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	2	0.7
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	2	0.7
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	7	0.7
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	7	0.7
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	7	0.7
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	7	0.7
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	16	0.7
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	16	0.7
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	16	0.7
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	16	0.7
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG12	19	0.7
(1,233)	1:7:A:PHE:HB2	1:12:A:ILE:HG13	19	0.7
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG12	19	0.7
(1,233)	1:7:A:PHE:HB3	1:12:A:ILE:HG13	19	0.7
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	11	0.7
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	20	0.7
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	2	0.7
(1,82)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	2	0.7
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	2	0.7
(1,82)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	2	0.7
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	5	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	1	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	1	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	2	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	2	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	3	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	3	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	4	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	4	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	6	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	6	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	7	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	7	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	9	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	9	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	10	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	10	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	12	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	12	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	13	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	13	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	14	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	14	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	15	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	15	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	16	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	16	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	17	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	17	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	18	0.69
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	18	0.69
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	1	0.69
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	4	0.69
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	5	0.69
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	11	0.69
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	17	0.69
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	18	0.69
(1,367)	1:10:A:ASP:H	1:11:A:PHE:HA	20	0.69
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	20	0.69
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	20	0.69
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	7	0.69
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	7	0.69
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	19	0.69
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	19	0.69
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	20	0.69
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	20	0.69
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	16	0.69
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	16	0.69
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	16	0.69
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	16	0.69
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	2	0.68
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	19	0.68
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	20	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	20	0.68
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	20	0.68
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	5	0.68
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	5	0.68
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	8	0.68
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	8	0.68
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	11	0.68
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	11	0.68
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	15	0.68
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	15	0.68
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	16	0.68
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	16	0.68
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	2	0.68
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	2	0.68
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	7	0.68
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	7	0.68
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	9	0.68
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	9	0.68
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	10	0.68
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	10	0.68
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	16	0.68
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	16	0.68
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	19	0.68
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	19	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	1	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	1	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	3	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	3	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	4	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	4	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	8	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	8	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	9	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	9	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	10	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	10	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	13	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	13	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	14	0.68
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	14	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	1	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	2	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	2	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	3	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	3	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	4	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	4	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	5	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	5	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	6	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	6	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	7	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	7	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	9	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	9	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	10	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	10	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	12	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	12	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	13	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	13	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	14	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	14	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	15	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	15	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	16	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	16	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	17	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	17	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	18	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	18	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	19	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	19	0.68
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	20	0.68
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	20	0.68
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	16	0.68
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	16	0.68
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	16	0.68
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	16	0.68
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	2	0.68
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	1	0.67
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	4	0.67
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	7	0.67
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	10	0.67
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	11	0.67
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	12	0.67
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	13	0.67
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	14	0.67
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	15	0.67
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	16	0.67
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	17	0.67
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	18	0.67
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	5	0.67
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	5	0.67
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	11	0.67
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	11	0.67
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG12	19	0.67
(1,402)	1:11:A:PHE:HA	1:12:A:ILE:HG13	19	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	1	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	1	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	2	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	2	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	3	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	3	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	4	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	4	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	6	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	6	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	7	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	7	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	9	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	9	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	10	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	10	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	12	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	12	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	13	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	13	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	14	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	14	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	17	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	17	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	18	0.67
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	18	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	1	0.67
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	1	0.67
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	4	0.67
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	4	0.67
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	6	0.67
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	6	0.67
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	8	0.67
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	8	0.67
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	11	0.67
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	11	0.67
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	12	0.67
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	12	0.67
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	13	0.67
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	13	0.67
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	14	0.67
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	14	0.67
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	15	0.67
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	15	0.67
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	17	0.67
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	17	0.67
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	19	0.67
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	19	0.67
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	2	0.67
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	2	0.67
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	5	0.67
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	5	0.67
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	6	0.67
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	6	0.67
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	11	0.67
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	11	0.67
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	12	0.67
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	12	0.67
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	17	0.67
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	17	0.67
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	18	0.67
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	18	0.67
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	11	0.67
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	11	0.67
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	19	0.67
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	19	0.67
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	19	0.67
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	19	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	1	0.67
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	3	0.67
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	4	0.67
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	6	0.67
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	7	0.67
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	9	0.67
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	10	0.67
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	12	0.67
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	13	0.67
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	14	0.67
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	15	0.67
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	16	0.67
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	18	0.67
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	19	0.67
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	3	0.66
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	9	0.66
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	2	0.66
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	2	0.66
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	7	0.66
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	7	0.66
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	9	0.66
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	9	0.66
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB2	19	0.66
(1,330)	1:9:A:ARG:H	1:11:A:PHE:HB3	19	0.66
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	5	0.66
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	5	0.66
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	18	0.66
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	18	0.66
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	16	0.66
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	16	0.66
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	15	0.66
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	15	0.66
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB2	16	0.66
(1,281)	1:8:A:PHE:HA	1:11:A:PHE:HB3	16	0.66
(1,267)	1:8:A:PHE:HE1	1:8:A:PHE:H	8	0.66
(1,267)	1:8:A:PHE:HE2	1:8:A:PHE:H	8	0.66
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	4	0.66
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	4	0.66
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	10	0.66
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	10	0.66
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	16	0.66
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	16	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	2	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	2	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	6	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	6	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	8	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	8	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	9	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	9	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	11	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	11	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	12	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	12	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	15	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	15	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	18	0.66
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	18	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	2	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	2	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	6	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	6	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	8	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	8	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	9	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	9	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	11	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	11	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	12	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	12	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	15	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	15	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	18	0.66
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	18	0.66
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	8	0.66
(1,209)	1:7:A:PHE:HZ	1:9:A:ARG:H	17	0.66
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD2	20	0.66
(1,86)	1:4:A:LEU:HD11	1:6:A:LYS:HD3	20	0.66
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD2	20	0.66
(1,86)	1:4:A:LEU:HD12	1:6:A:LYS:HD3	20	0.66
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD2	20	0.66
(1,86)	1:4:A:LEU:HD13	1:6:A:LYS:HD3	20	0.66
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD2	20	0.66
(1,86)	1:4:A:LEU:HD21	1:6:A:LYS:HD3	20	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD2	20	0.66
(1,86)	1:4:A:LEU:HD22	1:6:A:LYS:HD3	20	0.66
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD2	20	0.66
(1,86)	1:4:A:LEU:HD23	1:6:A:LYS:HD3	20	0.66
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	13	0.66
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	13	0.66
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	13	0.66
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	13	0.66
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	3	0.66
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	3	0.66
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	3	0.66
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	3	0.66
(2,2)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	8	0.65
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	19	0.65
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	19	0.65
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	3	0.65
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	3	0.65
(1,326)	1:9:A:ARG:HB2	1:11:A:PHE:H	20	0.65
(1,326)	1:9:A:ARG:HB3	1:11:A:PHE:H	20	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	1	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	1	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	2	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	2	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	3	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	3	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	4	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	4	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	6	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	6	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	7	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	7	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	8	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	8	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	9	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	9	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	10	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	10	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	13	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	13	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	14	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	14	0.65
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	17	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	17	0.65
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	2	0.65
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	2	0.65
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	3	0.65
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	3	0.65
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	9	0.65
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	9	0.65
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	11	0.65
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	11	0.65
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	14	0.65
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	14	0.65
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	19	0.65
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	19	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	1	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	1	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	3	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	3	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	4	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	4	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	5	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	5	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	7	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	7	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	10	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	10	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	13	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	13	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	14	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	14	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	17	0.65
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	17	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	1	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	1	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	3	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	3	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	4	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	4	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	5	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	5	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	7	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	7	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	10	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	13	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	13	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	14	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	14	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	17	0.65
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	17	0.65
(1,148)	1:6:A:LYS:HG2	1:6:A:LYS:H	11	0.65
(1,148)	1:6:A:LYS:HG3	1:6:A:LYS:H	11	0.65
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	8	0.65
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	8	0.65
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	8	0.65
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	8	0.65
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	17	0.65
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	17	0.65
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	17	0.65
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	17	0.65
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	10	0.64
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	10	0.64
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	8	0.64
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	8	0.64
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	6	0.64
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	6	0.64
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	6	0.64
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	6	0.64
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	6	0.64
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	6	0.64
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	6	0.64
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	6	0.64
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	6	0.64
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	6	0.64
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	6	0.64
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	6	0.64
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	18	0.64
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	18	0.64
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	18	0.64
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	18	0.64
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	18	0.64
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	18	0.64
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	18	0.64
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	18	0.64
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	18	0.64
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	18	0.64
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	18	0.64
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	11	0.64
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	11	0.64
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	12	0.64
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	12	0.64
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	15	0.64
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	15	0.64
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	18	0.64
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	18	0.64
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	1	0.64
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	1	0.64
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	7	0.64
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	7	0.64
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	15	0.64
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	15	0.64
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	17	0.64
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	17	0.64
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	18	0.64
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	18	0.64
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	2	0.64
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	2	0.64
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	2	0.64
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	2	0.64
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	20	0.64
(1,220)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	20	0.64
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB2	20	0.64
(1,219)	1:7:A:PHE:HZ	1:10:A:ASP:HB3	20	0.64
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	2	0.63
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	2	0.63
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	3	0.63
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	3	0.63
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	5	0.63
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	5	0.63
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	12	0.63
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	12	0.63
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	16	0.63
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	16	0.63
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	19	0.63
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	19	0.63
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	5	0.63
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB2	20	0.63
(1,321)	1:9:A:ARG:HA	1:11:A:PHE:HB3	20	0.63
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	6	0.63
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	6	0.63
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	13	0.63
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	13	0.63
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	7	0.63
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	7	0.63
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	7	0.63
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	7	0.63
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	5	0.63
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	5	0.63
(1,148)	1:6:A:LYS:HG2	1:6:A:LYS:H	5	0.63
(1,148)	1:6:A:LYS:HG3	1:6:A:LYS:H	5	0.63
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	19	0.62
(1,553)	1:17:A:LYS:HA	1:17:A:LYS:HE2	16	0.62
(1,553)	1:17:A:LYS:HA	1:17:A:LYS:HE3	16	0.62
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	7	0.62
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	7	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	1	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	1	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	2	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	2	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	4	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	4	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	6	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	6	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	7	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	7	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	9	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	9	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	10	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	10	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	11	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	11	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	13	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	13	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	14	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	14	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	15	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	17	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	17	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	18	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	18	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB2	20	0.62
(1,356)	1:10:A:ASP:HA	1:11:A:PHE:HB3	20	0.62
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	12	0.62
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	12	0.62
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	3	0.62
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	3	0.62
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	3	0.62
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	3	0.62
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	9	0.62
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	9	0.62
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	9	0.62
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	9	0.62
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	9	0.61
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	9	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	4	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	4	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	4	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	4	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	4	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	4	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	10	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	10	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	10	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	10	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	10	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	10	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	11	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	11	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	11	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	11	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	11	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	11	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	15	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	15	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	15	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	15	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	15	0.61
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	15	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	8	0.61
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	8	0.61
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	20	0.61
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	20	0.61
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	5	0.61
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	5	0.61
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	5	0.61
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	5	0.61
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	20	0.61
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	20	0.61
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	11	0.61
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	11	0.61
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	11	0.61
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	11	0.61
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	11	0.6
(1,553)	1:17:A:LYS:HA	1:17:A:LYS:HE2	1	0.6
(1,553)	1:17:A:LYS:HA	1:17:A:LYS:HE3	1	0.6
(1,553)	1:17:A:LYS:HA	1:17:A:LYS:HE2	15	0.6
(1,553)	1:17:A:LYS:HA	1:17:A:LYS:HE3	15	0.6
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	4	0.6
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	4	0.6
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	11	0.6
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	11	0.6
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	14	0.6
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	14	0.6
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	1	0.6
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	1	0.6
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	1	0.6
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	1	0.6
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	1	0.6
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	1	0.6
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	14	0.6
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	14	0.6
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	14	0.6
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	14	0.6
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	14	0.6
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	14	0.6
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	10	0.6
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	10	0.6
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	10	0.6
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	10	0.6
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	11	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	11	0.6
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	7	0.6
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	7	0.6
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	9	0.6
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	9	0.6
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	11	0.6
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	11	0.6
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	19	0.6
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	19	0.6
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	2	0.59
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	3	0.59
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	5	0.59
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	7	0.59
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	14	0.59
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	16	0.59
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	20	0.59
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	3	0.59
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	3	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	2	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	2	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	2	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	2	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	2	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	2	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	6	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	6	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	6	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	6	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	6	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	6	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	9	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	9	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	9	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	9	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	9	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	9	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	13	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	13	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	13	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	13	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	13	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	13	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	16	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	16	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	16	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	16	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	16	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	16	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	17	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	17	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	17	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	17	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	17	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	17	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	18	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	18	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	18	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	18	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	18	0.59
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	18	0.59
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	11	0.59
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	11	0.59
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	11	0.59
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	11	0.59
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	16	0.59
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	16	0.59
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	16	0.59
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	19	0.59
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	19	0.59
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	19	0.59
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	2	0.59
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	2	0.59
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	7	0.59
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	7	0.59
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	8	0.59
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	8	0.59
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	12	0.59
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	12	0.59
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	13	0.59
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	13	0.59
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	14	0.59
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	14	0.59
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	17	0.59
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	17	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	18	0.59
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	18	0.59
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	19	0.59
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	19	0.59
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	2	0.59
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	16	0.59
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	3	0.59
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	3	0.59
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	8	0.59
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	8	0.59
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	10	0.59
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	10	0.59
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	17	0.59
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	17	0.59
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	5	0.59
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	5	0.59
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	5	0.59
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	5	0.59
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	5	0.59
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	5	0.59
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	5	0.59
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	5	0.59
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	5	0.59
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	5	0.59
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	5	0.59
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	5	0.59
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	20	0.59
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	20	0.59
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	20	0.59
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	20	0.59
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	20	0.59
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	20	0.59
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	20	0.59
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	20	0.59
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	20	0.59
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	20	0.59
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	20	0.59
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	20	0.59
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	1	0.58
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	4	0.58
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	6	0.58
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	10	0.58
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	12	0.58
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	13	0.58
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	17	0.58
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	18	0.58
(1,544)	1:16:A:LYS:HA	1:17:A:LYS:HA	3	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	1	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	1	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	1	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	2	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	2	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	2	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	3	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	3	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	3	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	4	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	4	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	4	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	5	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	5	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	5	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	6	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	6	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	6	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	7	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	7	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	7	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	8	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	8	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	8	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	9	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	9	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	9	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	10	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	10	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	10	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	11	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	11	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	11	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	12	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	12	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	12	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	13	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	13	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	13	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	14	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	14	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	14	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	15	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	15	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	15	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	16	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	16	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	16	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	17	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	17	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	17	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	18	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	18	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	18	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	19	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	19	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	19	0.58
(1,447)	1:12:A:ILE:HD11	1:13:A:LEU:H	20	0.58
(1,447)	1:12:A:ILE:HD12	1:13:A:LEU:H	20	0.58
(1,447)	1:12:A:ILE:HD13	1:13:A:LEU:H	20	0.58
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	7	0.58
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	7	0.58
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	7	0.58
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	7	0.58
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	7	0.58
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	7	0.58
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	20	0.58
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	20	0.58
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	20	0.58
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	20	0.58
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	20	0.58
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	20	0.58
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD2	5	0.58
(1,255)	1:7:A:PHE:HZ	1:15:A:ARG:HD3	5	0.58
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	4	0.58
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	4	0.58
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	4	0.58
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	4	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	8	0.58
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	8	0.58
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	8	0.58
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	8	0.58
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	14	0.58
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	14	0.58
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	14	0.58
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	14	0.58
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	2	0.58
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	2	0.58
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	2	0.58
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	14	0.58
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	14	0.58
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	14	0.58
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	15	0.58
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	15	0.58
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	15	0.58
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	1	0.58
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	1	0.58
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	3	0.58
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	3	0.58
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	4	0.58
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	4	0.58
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	6	0.58
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	6	0.58
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	10	0.58
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	10	0.58
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	15	0.58
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	15	0.58
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	12	0.58
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	15	0.58
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	1	0.58
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	1	0.58
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	4	0.58
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	4	0.58
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	5	0.58
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	5	0.58
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	13	0.58
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	13	0.58
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD11	15	0.58
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD12	15	0.58
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD13	15	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD21	15	0.58
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD22	15	0.58
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD23	15	0.58
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	8	0.57
(2,11)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	15	0.57
(1,544)	1:16:A:LYS:HA	1:17:A:LYS:HA	20	0.57
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	19	0.57
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	19	0.57
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	20	0.57
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	20	0.57
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	6	0.57
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	6	0.57
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	6	0.57
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	6	0.57
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	12	0.57
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	12	0.57
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	12	0.57
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	12	0.57
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	13	0.57
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	13	0.57
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	13	0.57
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	13	0.57
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	18	0.57
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	18	0.57
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	18	0.57
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	18	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	1	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	1	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	1	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	4	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	4	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	4	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	6	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	6	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	6	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	7	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	7	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	7	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	9	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	9	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	9	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	10	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	10	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	12	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	12	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	12	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	13	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	13	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	13	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	17	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	17	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	17	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	18	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	18	0.57
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	18	0.57
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	9	0.57
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	9	0.57
(1,184)	1:7:A:PHE:HE1	1:7:A:PHE:H	16	0.57
(1,184)	1:7:A:PHE:HE2	1:7:A:PHE:H	16	0.57
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	3	0.57
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	7	0.57
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	14	0.57
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	14	0.57
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	14	0.57
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	11	0.57
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	11	0.57
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	11	0.57
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	11	0.57
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	11	0.57
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	11	0.57
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	11	0.57
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	11	0.57
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	11	0.57
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	11	0.57
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	11	0.57
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	11	0.57
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD11	16	0.57
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD12	16	0.57
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD13	16	0.57
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD21	16	0.57
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD22	16	0.57
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD23	16	0.57
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	16	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	16	0.57
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	16	0.57
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	16	0.57
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	5	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	5	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	5	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	5	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	5	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	5	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	8	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	8	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	8	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	8	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	8	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	8	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	12	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	12	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	12	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	12	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	12	0.56
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	12	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	2	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	2	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	4	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	4	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	5	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	5	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	10	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	10	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	12	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	12	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	14	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	14	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	15	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	15	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	18	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	18	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	20	0.56
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	20	0.56
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	1	0.56
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	1	0.56
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	1	0.56
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	15	0.56
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	15	0.56
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	15	0.56
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	15	0.56
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	17	0.56
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	17	0.56
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	17	0.56
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	17	0.56
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	3	0.56
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	3	0.56
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	3	0.56
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	5	0.56
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	5	0.56
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	5	0.56
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	8	0.56
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	8	0.56
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	8	0.56
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	11	0.56
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	11	0.56
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	11	0.56
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	1	0.56
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	4	0.56
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	6	0.56
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	9	0.56
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	10	0.56
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	13	0.56
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	18	0.56
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	19	0.56
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	6	0.56
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	6	0.56
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	12	0.56
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	12	0.56
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	18	0.56
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	18	0.56
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	20	0.56
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	20	0.56
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	10	0.56
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	10	0.56
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	10	0.56
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	10	0.56
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	14	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	14	0.56
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	14	0.56
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	14	0.56
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	16	0.55
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	16	0.55
(1,544)	1:16:A:LYS:HA	1:17:A:LYS:HA	4	0.55
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	19	0.55
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	19	0.55
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	19	0.55
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	19	0.55
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	19	0.55
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	19	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	1	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	1	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	1	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	1	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	1	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	1	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	3	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	3	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	3	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	3	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	3	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	3	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	6	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	6	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	6	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	6	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	6	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	6	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	10	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	10	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	10	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	10	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	10	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	10	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	16	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	16	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	16	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	16	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	16	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	16	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	19	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	19	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	19	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	19	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	19	0.55
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	19	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	1	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	1	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	6	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	6	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	7	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	7	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	8	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	8	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	9	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	9	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	11	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	11	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	13	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	13	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	16	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	16	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	17	0.55
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	17	0.55
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD2	20	0.55
(1,253)	1:7:A:PHE:HE1	1:15:A:ARG:HD3	20	0.55
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD2	20	0.55
(1,253)	1:7:A:PHE:HE2	1:15:A:ARG:HD3	20	0.55
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD11	20	0.55
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD12	20	0.55
(1,230)	1:7:A:PHE:HA	1:12:A:ILE:HD13	20	0.55
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	2	0.55
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	2	0.55
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	12	0.55
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	12	0.55
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	16	0.55
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	16	0.55
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	8	0.55
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	17	0.55
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	2	0.55
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	2	0.55
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	16	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	16	0.55
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD11	12	0.55
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD12	12	0.55
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD13	12	0.55
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD21	12	0.55
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD22	12	0.55
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD23	12	0.55
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	16	0.54
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	16	0.54
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	16	0.54
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	16	0.54
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD11	3	0.54
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD12	3	0.54
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD13	3	0.54
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD21	3	0.54
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD22	3	0.54
(1,440)	1:12:A:ILE:HA	1:13:A:LEU:HD23	3	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	2	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	2	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	2	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	2	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	2	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	2	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	4	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	4	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	4	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	4	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	4	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	4	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	7	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	7	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	7	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	7	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	7	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	7	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	8	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	8	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	8	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	8	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	8	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	8	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	9	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	9	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	9	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	9	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	9	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	11	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	11	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	11	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	11	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	11	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	11	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	12	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	12	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	12	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	12	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	12	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	12	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	13	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	13	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	13	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	13	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	13	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	13	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	14	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	14	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	14	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	14	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	14	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	14	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	15	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	15	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	15	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	15	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	15	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	15	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	17	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	17	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	17	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	17	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	17	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	17	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	18	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	18	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	18	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	18	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	18	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	18	0.54
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	3	0.54
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	3	0.54
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	7	0.54
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	7	0.54
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	8	0.54
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	8	0.54
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	9	0.54
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	9	0.54
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	14	0.54
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	14	0.54
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	15	0.54
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	15	0.54
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	18	0.54
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	18	0.54
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	19	0.54
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	19	0.54
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	1	0.54
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	1	0.54
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	1	0.54
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	1	0.54
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	6	0.54
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	6	0.54
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	6	0.54
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	6	0.54
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	5	0.53
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	5	0.53
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	5	0.53
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	5	0.53
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	5	0.53
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	5	0.53
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD11	20	0.53
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD12	20	0.53
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD13	20	0.53
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD21	20	0.53
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD22	20	0.53
(1,414)	1:11:A:PHE:HA	1:13:A:LEU:HD23	20	0.53
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	3	0.53
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	1	0.53
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	1	0.53
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	4	0.53
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	4	0.53
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	6	0.53
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	6	0.53
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	10	0.53
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	10	0.53
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	13	0.53
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	13	0.53
(1,172)	1:6:A:LYS:HG2	1:9:A:ARG:H	17	0.53
(1,172)	1:6:A:LYS:HG3	1:9:A:ARG:H	17	0.53
(1,544)	1:16:A:LYS:HA	1:17:A:LYS:HA	11	0.52
(1,544)	1:16:A:LYS:HA	1:17:A:LYS:HA	14	0.52
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE1	19	0.52
(1,370)	1:10:A:ASP:H	1:11:A:PHE:HE2	19	0.52
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB2	15	0.52
(1,134)	1:5:A:SER:H	1:8:A:PHE:HB3	15	0.52
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	18	0.52
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	18	0.52
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	18	0.52
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	18	0.52
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	8	0.51
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	8	0.51
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	8	0.51
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	8	0.51
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	8	0.51
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	8	0.51
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	8	0.51
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	8	0.51
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	8	0.51
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	8	0.51
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	8	0.51
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	8	0.51
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	7	0.51
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	19	0.51
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD11	2	0.51
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD12	2	0.51
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD13	2	0.51
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD21	2	0.51
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD22	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:3:A:ARG:HA	1:4:A:LEU:HD23	2	0.51
(1,544)	1:16:A:LYS:HA	1:17:A:LYS:HA	10	0.5
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	14	0.5
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	14	0.5
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	14	0.5
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	14	0.5
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	14	0.5
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	14	0.5
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	14	0.5
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	14	0.5
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	14	0.5
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	14	0.5
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	14	0.5
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	14	0.5
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	11	0.5
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	10	0.5
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	16	0.5
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	16	0.5
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	16	0.5
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	16	0.5
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	16	0.5
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	16	0.5
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	16	0.5
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	16	0.5
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	16	0.5
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	16	0.5
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	16	0.5
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	16	0.5
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	12	0.5
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	12	0.5
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	4	0.5
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	4	0.5
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	4	0.5
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	4	0.5
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	9	0.5
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	9	0.5
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	9	0.5
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	9	0.5
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	1	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	1	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	1	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	1	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	1	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	1	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	1	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	1	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	1	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	1	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	1	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	3	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	3	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	3	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	3	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	3	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	3	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	3	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	3	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	3	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	3	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	3	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	3	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	10	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	10	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	10	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	10	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	10	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	10	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	10	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	10	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	10	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	10	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	10	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	10	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	12	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	12	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	12	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	12	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	12	0.49
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	12	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	12	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	12	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	12	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	12	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	12	0.49
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	12	0.49
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	16	0.49
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	5	0.49
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	13	0.49
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	13	0.49
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	2	0.49
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	9	0.49
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	12	0.49
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	13	0.49
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	14	0.49
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	15	0.49
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	15	0.49
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD2	3	0.49
(1,27)	1:2:A:MET:HB2	1:6:A:LYS:HD3	3	0.49
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD2	3	0.49
(1,27)	1:2:A:MET:HB3	1:6:A:LYS:HD3	3	0.49
(1,542)	1:16:A:LYS:HD2	1:16:A:LYS:H	10	0.48
(1,542)	1:16:A:LYS:HD3	1:16:A:LYS:H	10	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	2	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	2	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	2	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	2	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	2	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	2	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	2	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	2	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	2	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	2	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	2	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	2	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	4	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	4	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	4	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	4	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	4	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	4	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	4	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	4	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	4	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	4	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	4	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	7	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	7	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	7	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	7	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	7	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	7	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	7	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	7	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	7	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	7	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	7	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	7	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	9	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	9	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	9	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	9	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	9	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	9	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	9	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	9	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	9	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	9	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	9	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	9	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	13	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	13	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	13	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	13	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	13	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	13	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	13	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	13	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	13	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	13	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	13	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	13	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	16	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	16	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	16	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	16	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	16	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	16	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	16	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	16	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	16	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	16	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	16	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	17	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	17	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	17	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	17	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	17	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	17	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	17	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	17	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	17	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	17	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	17	0.48
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	17	0.48
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	1	0.48
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	2	0.48
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	4	0.48
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	5	0.48
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	6	0.48
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	9	0.48
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	11	0.48
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	12	0.48
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	15	0.48
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	18	0.48
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	19	0.48
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	7	0.48
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	7	0.48
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	1	0.48
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	1	0.48
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	4	0.48
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	4	0.48
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	6	0.48
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	6	0.48
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	14	0.48
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	14	0.48
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	15	0.48
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	15	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	18	0.48
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	18	0.48
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	1	0.48
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	4	0.48
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	6	0.48
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	17	0.48
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	3	0.48
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	3	0.48
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	3	0.48
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	3	0.48
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	3	0.48
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	3	0.48
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	3	0.48
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	3	0.48
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	3	0.48
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	3	0.48
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	3	0.48
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	3	0.48
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	9	0.48
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	9	0.48
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	9	0.48
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	9	0.48
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	9	0.48
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	9	0.48
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	9	0.48
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	9	0.48
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	9	0.48
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	9	0.48
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	9	0.48
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	9	0.48
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	12	0.48
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	12	0.48
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	12	0.48
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	12	0.48
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	12	0.48
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	12	0.48
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	12	0.48
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	12	0.48
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	12	0.48
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	12	0.48
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	12	0.48
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	15	0.48
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	15	0.48
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	15	0.48
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	15	0.48
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	15	0.48
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	15	0.48
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	15	0.48
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	15	0.48
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	15	0.48
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	15	0.48
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	15	0.48
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	15	0.48
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	17	0.48
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	17	0.48
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	17	0.48
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	17	0.48
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	17	0.48
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	17	0.48
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	17	0.48
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	17	0.48
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	17	0.48
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	17	0.48
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	17	0.48
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	17	0.48
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	19	0.48
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	19	0.48
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	19	0.48
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	19	0.48
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	19	0.48
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	19	0.48
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	19	0.48
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	19	0.48
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	19	0.48
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	19	0.48
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	19	0.48
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	19	0.48
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD11	15	0.48
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD12	15	0.48
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD13	15	0.48
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD21	15	0.48
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD22	15	0.48
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD23	15	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	2	0.48
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	2	0.48
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	15	0.47
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	15	0.47
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	15	0.47
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	15	0.47
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	15	0.47
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	15	0.47
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	15	0.47
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	15	0.47
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	15	0.47
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	15	0.47
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	15	0.47
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	15	0.47
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	3	0.47
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	7	0.47
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	8	0.47
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	10	0.47
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	13	0.47
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	14	0.47
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	17	0.47
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	2	0.47
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	2	0.47
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	5	0.47
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	5	0.47
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	12	0.47
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	12	0.47
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	19	0.47
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	19	0.47
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	20	0.47
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	20	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	2	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	2	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	3	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	3	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	7	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	7	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	8	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	8	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	9	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	9	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	10	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	12	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	12	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	13	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	13	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	17	0.47
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	17	0.47
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	16	0.47
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	2	0.47
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	2	0.47
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	2	0.47
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	2	0.47
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	2	0.47
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	2	0.47
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	2	0.47
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	2	0.47
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	2	0.47
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	2	0.47
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	2	0.47
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	2	0.47
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	4	0.47
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	4	0.47
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	4	0.47
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	4	0.47
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	4	0.47
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	4	0.47
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	4	0.47
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	4	0.47
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	4	0.47
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	4	0.47
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	4	0.47
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	4	0.47
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	7	0.47
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	7	0.47
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	7	0.47
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	7	0.47
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	7	0.47
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	7	0.47
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	7	0.47
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	7	0.47
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	7	0.47
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	7	0.47
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	7	0.47
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	10	0.47
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	10	0.47
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	10	0.47
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	10	0.47
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	10	0.47
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	10	0.47
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	10	0.47
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	10	0.47
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	10	0.47
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	10	0.47
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	10	0.47
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	10	0.47
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	14	0.47
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	14	0.47
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	14	0.47
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	14	0.47
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	14	0.47
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	14	0.47
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	14	0.47
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	14	0.47
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	14	0.47
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	14	0.47
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	14	0.47
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	14	0.47
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD11	16	0.47
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD12	16	0.47
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD13	16	0.47
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD21	16	0.47
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD22	16	0.47
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD23	16	0.47
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	5	0.46
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	5	0.46
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	5	0.46
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	5	0.46
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	5	0.46
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	5	0.46
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	5	0.46
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	5	0.46
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	5	0.46
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	5	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	5	0.46
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	5	0.46
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	19	0.46
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	19	0.46
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	19	0.46
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	19	0.46
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	19	0.46
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	19	0.46
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	19	0.46
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	19	0.46
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	19	0.46
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	19	0.46
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	19	0.46
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	19	0.46
(1,221)	1:7:A:PHE:HZ	1:10:A:ASP:H	20	0.46
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	6	0.46
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	6	0.46
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	14	0.46
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	14	0.46
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	18	0.46
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	18	0.46
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	16	0.46
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	16	0.46
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB2	19	0.46
(1,119)	1:5:A:SER:HA	1:6:A:LYS:HB3	19	0.46
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	3	0.46
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	18	0.46
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	1	0.46
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	1	0.46
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	1	0.46
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	1	0.46
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	1	0.46
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	1	0.46
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	1	0.46
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	1	0.46
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	1	0.46
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	1	0.46
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	1	0.46
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	1	0.46
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	6	0.46
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	6	0.46
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	6	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	6	0.46
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	6	0.46
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	6	0.46
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	6	0.46
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	6	0.46
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	6	0.46
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	6	0.46
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	6	0.46
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	6	0.46
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	18	0.46
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	18	0.46
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	18	0.46
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	18	0.46
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	18	0.46
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	18	0.46
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	18	0.46
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	18	0.46
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	18	0.46
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	18	0.46
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	18	0.46
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	18	0.46
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	11	0.45
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	11	0.45
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	11	0.45
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	11	0.45
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	11	0.45
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	11	0.45
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	11	0.45
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	11	0.45
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	11	0.45
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	11	0.45
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	11	0.45
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	11	0.45
(1,165)	1:6:A:LYS:HA	1:9:A:ARG:HA	20	0.45
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	20	0.45
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	20	0.45
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	4	0.45
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	4	0.45
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	15	0.45
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	13	0.45
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	13	0.45
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	13	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	13	0.45
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	13	0.45
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	13	0.45
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	13	0.45
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	13	0.45
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	13	0.45
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	13	0.45
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	13	0.45
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	13	0.45
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD11	12	0.45
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD12	12	0.45
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD13	12	0.45
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD21	12	0.45
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD22	12	0.45
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD23	12	0.45
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	13	0.44
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	13	0.44
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	20	0.44
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	20	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	1	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	1	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	1	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	1	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	2	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	2	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	2	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	2	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	3	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	3	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	3	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	3	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	5	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	5	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	5	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	5	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	6	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	6	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	6	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	6	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	8	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	8	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	8	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	11	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	11	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	11	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	11	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	15	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	15	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	15	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	15	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	16	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	16	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	16	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	16	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	18	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	18	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	18	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	18	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	20	0.44
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	20	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	20	0.44
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	20	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	1	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	1	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	1	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	1	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	2	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	2	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	2	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	2	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	3	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	3	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	3	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	3	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	5	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	5	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	5	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	5	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	6	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	6	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	6	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	6	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	8	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	8	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	8	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	11	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	11	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	11	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	11	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	15	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	15	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	15	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	15	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	16	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	16	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	16	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	16	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	18	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	18	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	18	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	18	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	20	0.44
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	20	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	20	0.44
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	20	0.44
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	11	0.44
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	11	0.44
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	11	0.44
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	11	0.44
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	16	0.44
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	16	0.44
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	16	0.44
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	16	0.44
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	19	0.44
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	19	0.44
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	19	0.44
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	19	0.44
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	1	0.44
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	1	0.44
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	8	0.44
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	8	0.44
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	15	0.44
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	15	0.44
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	20	0.44
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	1	0.43
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	1	0.43
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	3	0.43
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	3	0.43
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	4	0.43
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	4	0.43
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	8	0.43
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	8	0.43
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	11	0.43
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	11	0.43
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	14	0.43
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	14	0.43
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	16	0.43
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	16	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	4	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	4	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	4	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	4	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	7	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	7	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	7	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	7	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	9	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	9	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	9	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	9	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	10	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	10	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	10	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	10	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	12	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	12	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	12	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	12	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	13	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	13	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	13	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	13	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	14	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	14	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	14	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	17	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	17	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	17	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	17	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	19	0.43
(1,382)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	19	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	19	0.43
(1,382)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	19	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	4	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	4	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	4	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	4	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	7	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	7	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	7	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	7	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	9	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	9	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	9	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	9	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	10	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	10	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	10	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	10	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	12	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	12	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	12	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	12	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	13	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	13	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	13	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	13	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	14	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	14	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	14	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	14	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	17	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	17	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	17	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	17	0.43
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG12	19	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:10:A:ASP:HB2	1:12:A:ILE:HG13	19	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG12	19	0.43
(1,379)	1:10:A:ASP:HB3	1:12:A:ILE:HG13	19	0.43
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD11	20	0.43
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD12	20	0.43
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD13	20	0.43
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD21	20	0.43
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD22	20	0.43
(1,346)	1:9:A:ARG:HD2	1:13:A:LEU:HD23	20	0.43
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD11	20	0.43
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD12	20	0.43
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD13	20	0.43
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD21	20	0.43
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD22	20	0.43
(1,346)	1:9:A:ARG:HD3	1:13:A:LEU:HD23	20	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	2	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	2	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	2	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	2	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	3	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	3	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	3	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	3	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	5	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	5	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	5	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	5	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	7	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	7	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	7	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	7	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	9	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	9	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	9	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	9	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	12	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	12	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	12	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	12	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	13	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	13	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	13	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	15	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	15	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	15	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	15	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	20	0.43
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	20	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	20	0.43
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	20	0.43
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	3	0.43
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	3	0.43
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	11	0.43
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	11	0.43
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	17	0.43
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	17	0.43
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	8	0.43
(1,87)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	8	0.43
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	8	0.43
(1,87)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	8	0.43
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	8	0.43
(1,87)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	8	0.43
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	8	0.43
(1,87)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	8	0.43
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	8	0.43
(1,87)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	8	0.43
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	8	0.43
(1,87)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	8	0.43
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	15	0.42
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	15	0.42
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	16	0.42
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	16	0.42
(1,544)	1:16:A:LYS:HA	1:17:A:LYS:HA	7	0.42
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	1	0.42
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	1	0.42
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	5	0.42
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	5	0.42
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	6	0.42
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	6	0.42
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	12	0.42
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	12	0.42
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	15	0.42
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	17	0.42
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	17	0.42
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	18	0.42
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	18	0.42
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD2	19	0.42
(1,537)	1:16:A:LYS:HA	1:16:A:LYS:HD3	19	0.42
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	1	0.42
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	1	0.42
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	1	0.42
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	1	0.42
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	4	0.42
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	4	0.42
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	4	0.42
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	4	0.42
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	6	0.42
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	6	0.42
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	6	0.42
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	6	0.42
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	8	0.42
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	8	0.42
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	8	0.42
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	8	0.42
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	10	0.42
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	10	0.42
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	10	0.42
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	10	0.42
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	14	0.42
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	14	0.42
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	14	0.42
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	14	0.42
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	17	0.42
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	17	0.42
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	17	0.42
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	17	0.42
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	18	0.42
(1,214)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	18	0.42
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	18	0.42
(1,214)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	18	0.42
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	19	0.42
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	19	0.42
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	7	0.42
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	5	0.41
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	5	0.41
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	8	0.41
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	8	0.41
(1,544)	1:16:A:LYS:HA	1:17:A:LYS:HA	9	0.41
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	9	0.41
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	9	0.41
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	10	0.41
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	10	0.41
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	7	0.41
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	7	0.41
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD11	2	0.41
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD12	2	0.41
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD13	2	0.41
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD21	2	0.41
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD22	2	0.41
(1,49)	1:3:A:ARG:HA	1:4:A:LEU:HD23	2	0.41
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	19	0.41
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	19	0.41
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	5	0.4
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	5	0.4
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	18	0.4
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	18	0.4
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	12	0.4
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	12	0.4
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	16	0.4
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	16	0.4
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	16	0.4
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	16	0.4
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	16	0.4
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	16	0.4
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE1	16	0.4
(1,125)	1:5:A:SER:HA	1:7:A:PHE:HE2	16	0.4
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	5	0.4
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	5	0.4
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	13	0.4
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	13	0.4
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	16	0.4
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	16	0.4
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	16	0.4
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	16	0.4
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	6	0.39
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	8	0.39
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	8	0.39
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	12	0.39
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	12	0.39
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	13	0.39
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	13	0.39
(1,558)	1:17:A:LYS:HD2	1:17:A:LYS:H	17	0.39
(1,558)	1:17:A:LYS:HD3	1:17:A:LYS:H	17	0.39
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	3	0.39
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	3	0.39
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	19	0.39
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	19	0.39
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	3	0.39
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	3	0.39
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	19	0.39
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	19	0.39
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	3	0.39
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	3	0.39
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	19	0.39
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	19	0.39
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	16	0.39
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	5	0.39
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	5	0.39
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	5	0.39
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	5	0.39
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	5	0.39
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	5	0.39
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	5	0.39
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	5	0.39
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	5	0.39
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	5	0.39
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	5	0.39
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	5	0.39
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	20	0.39
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	20	0.39
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	20	0.39
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	20	0.39
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	20	0.39
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	20	0.39
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	20	0.39
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	20	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	20	0.39
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	20	0.39
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	20	0.39
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	20	0.39
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	9	0.39
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	9	0.39
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	10	0.39
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	10	0.39
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	17	0.39
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	17	0.39
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	20	0.39
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	20	0.39
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	6	0.38
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	6	0.38
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	2	0.38
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	2	0.38
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	7	0.38
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	7	0.38
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	9	0.38
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	9	0.38
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	2	0.38
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	2	0.38
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	7	0.38
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	7	0.38
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	9	0.38
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	9	0.38
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	2	0.38
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	2	0.38
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	7	0.38
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	7	0.38
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	9	0.38
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	9	0.38
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	11	0.38
(1,148)	1:6:A:LYS:HG2	1:6:A:LYS:H	20	0.38
(1,148)	1:6:A:LYS:HG3	1:6:A:LYS:H	20	0.38
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	5	0.38
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	1	0.38
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	1	0.38
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	4	0.38
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	4	0.38
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	11	0.38
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	14	0.38
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	14	0.38
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	18	0.37
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	18	0.37
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	1	0.37
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	2	0.37
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	3	0.37
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	4	0.37
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	7	0.37
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	9	0.37
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	10	0.37
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	14	0.37
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	15	0.37
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	19	0.37
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	5	0.37
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	5	0.37
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	11	0.37
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	11	0.37
(1,114)	1:4:A:LEU:H	1:8:A:PHE:H	11	0.37
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	11	0.37
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	11	0.37
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	11	0.37
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	11	0.37
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	11	0.37
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	11	0.37
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	11	0.37
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	11	0.37
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	11	0.37
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	11	0.37
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	11	0.37
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	11	0.37
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	2	0.37
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	2	0.37
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	6	0.37
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	6	0.37
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	8	0.37
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	8	0.37
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	12	0.37
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	12	0.37
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	18	0.37
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	18	0.37
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	2	0.37
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	2	0.37
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	2	0.37
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	13	0.36
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	13	0.36
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	17	0.36
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	17	0.36
(1,544)	1:16:A:LYS:HA	1:17:A:LYS:HA	2	0.36
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	6	0.36
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	8	0.36
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	12	0.36
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	13	0.36
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	17	0.36
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	18	0.36
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	20	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	1	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	1	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	2	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	2	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	3	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	3	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	4	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	4	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	6	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	6	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	7	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	7	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	8	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	8	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	9	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	9	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	10	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	10	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	12	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	12	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	13	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	13	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	14	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	14	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	15	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	15	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	16	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	17	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	17	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	18	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	18	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	19	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	19	0.36
(1,183)	1:7:A:PHE:HB2	1:7:A:PHE:HZ	20	0.36
(1,183)	1:7:A:PHE:HB3	1:7:A:PHE:HZ	20	0.36
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	6	0.36
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	6	0.36
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	14	0.36
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	14	0.36
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD2	20	0.36
(1,89)	1:4:A:LEU:H	1:6:A:LYS:HD3	20	0.36
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	3	0.36
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	3	0.36
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	8	0.36
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	8	0.36
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	8	0.36
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	8	0.36
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	11	0.36
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	11	0.36
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	11	0.36
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	11	0.36
(1,12)	1:2:A:MET:HB2	1:3:A:ARG:HB2	8	0.36
(1,12)	1:2:A:MET:HB2	1:3:A:ARG:HB3	8	0.36
(1,12)	1:2:A:MET:HB3	1:3:A:ARG:HB2	8	0.36
(1,12)	1:2:A:MET:HB3	1:3:A:ARG:HB3	8	0.36
(1,471)	1:13:A:LEU:HA	1:14:A:GLN:H	5	0.35
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	13	0.35
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	13	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	1	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	1	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	2	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	2	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	4	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	4	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	7	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	7	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	10	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	12	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	12	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	13	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	13	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	16	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	16	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	19	0.35
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	19	0.35
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	16	0.35
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	16	0.35
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	8	0.35
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	8	0.35
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	10	0.34
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	10	0.34
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	20	0.34
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	20	0.34
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	10	0.34
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	10	0.34
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	20	0.34
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	20	0.34
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	10	0.34
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	10	0.34
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	20	0.34
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	20	0.34
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	19	0.34
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	19	0.34
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	19	0.34
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	19	0.34
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	19	0.34
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	19	0.34
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	1	0.34
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	1	0.34
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	3	0.34
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	3	0.34
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	4	0.34
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	4	0.34
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	5	0.34
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	5	0.34
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	6	0.34
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	6	0.34
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	10	0.34
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	11	0.34
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	11	0.34
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	12	0.34
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	12	0.34
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	14	0.34
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	14	0.34
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	15	0.34
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	15	0.34
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	17	0.34
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	17	0.34
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	18	0.34
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	18	0.34
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	20	0.34
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	20	0.34
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	1	0.34
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	2	0.34
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	4	0.34
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	6	0.34
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	7	0.34
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	10	0.34
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	12	0.34
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	13	0.34
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	14	0.34
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	15	0.34
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	16	0.34
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	17	0.34
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	18	0.34
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	19	0.34
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	15	0.34
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	9	0.34
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	9	0.34
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	15	0.34
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	15	0.34
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	17	0.34
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	17	0.34
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	18	0.34
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	18	0.34
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	10	0.34
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	10	0.34
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	10	0.34
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	10	0.34
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	13	0.34
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	13	0.34
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	13	0.34
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	6	0.34
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	6	0.34
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	6	0.34
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	6	0.34
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	4	0.33
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	4	0.33
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	8	0.33
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	8	0.33
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	11	0.33
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	11	0.33
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	14	0.33
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	14	0.33
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	4	0.33
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	4	0.33
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	8	0.33
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	8	0.33
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	11	0.33
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	11	0.33
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	14	0.33
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	14	0.33
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	4	0.33
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	4	0.33
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	8	0.33
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	8	0.33
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	11	0.33
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	11	0.33
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	14	0.33
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	14	0.33
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	2	0.33
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	2	0.33
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	7	0.33
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	7	0.33
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	9	0.33
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	9	0.33
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	20	0.33
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	3	0.33
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	5	0.33
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	8	0.33
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	20	0.33
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	20	0.33
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	3	0.33
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	3	0.33
(1,74)	1:4:A:LEU:HB2	1:5:A:SER:H	15	0.33
(1,74)	1:4:A:LEU:HB3	1:5:A:SER:H	15	0.33
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	13	0.33
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	13	0.33
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	9	0.33
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	9	0.33
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	9	0.33
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	9	0.33
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	18	0.33
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	18	0.33
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	18	0.33
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	18	0.33
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	20	0.33
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	20	0.33
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	20	0.33
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	20	0.33
(1,544)	1:16:A:LYS:HA	1:17:A:LYS:HA	16	0.32
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	5	0.32
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	5	0.32
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	5	0.32
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	5	0.32
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	5	0.32
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	5	0.32
(1,529)	1:15:A:ARG:HD2	1:16:A:LYS:H	19	0.32
(1,529)	1:15:A:ARG:HD3	1:16:A:LYS:H	19	0.32
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	8	0.32
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	8	0.32
(1,195)	1:7:A:PHE:H	1:8:A:PHE:H	11	0.32
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	2	0.32
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	12	0.32
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	16	0.32
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	16	0.32
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	16	0.32
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	16	0.32
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	16	0.32
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	16	0.32
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	16	0.32
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	16	0.32
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	16	0.32
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	16	0.32
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	16	0.32
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	4	0.32
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	4	0.32
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	4	0.32
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	4	0.32
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	19	0.32
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	19	0.32
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	19	0.32
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	19	0.32
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	4	0.32
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	4	0.32
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	4	0.32
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	4	0.32
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	10	0.32
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	10	0.32
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	10	0.32
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	10	0.32
(1,549)	1:16:A:LYS:H	1:17:A:LYS:HA	19	0.31
(1,534)	1:15:A:ARG:HA	1:17:A:LYS:H	18	0.31
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	12	0.31
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	12	0.31
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	12	0.31
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	12	0.31
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	12	0.31
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	12	0.31
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	19	0.31
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	19	0.31
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	5	0.31
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	5	0.31
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	5	0.31
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	5	0.31
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	5	0.31
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	5	0.31
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	11	0.31
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	11	0.31
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	11	0.31
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	11	0.31
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	11	0.31
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	16	0.31
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	16	0.31
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	16	0.31
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	16	0.31
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	16	0.31
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	16	0.31
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	20	0.31
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	20	0.31
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	20	0.31
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	20	0.31
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	20	0.31
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	20	0.31
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	16	0.31
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	16	0.31
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	5	0.31
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	11	0.31
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	4	0.31
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	6	0.31
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	8	0.31
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	13	0.31
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	14	0.31
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	18	0.31
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	2	0.31
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	2	0.31
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	2	0.31
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	2	0.31
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	2	0.31
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	2	0.31
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	2	0.31
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	2	0.31
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	2	0.31
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	2	0.31
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	2	0.31
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	2	0.31
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	11	0.31
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	11	0.31
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	11	0.31
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	11	0.31
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	11	0.31
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	11	0.31
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	11	0.31
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	11	0.31
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	11	0.31
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	11	0.31
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	11	0.31
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	12	0.31
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	12	0.31
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	12	0.31
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	12	0.31
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	12	0.31
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	12	0.31
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	12	0.31
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	12	0.31
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	12	0.31
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	12	0.31
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	12	0.31
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	12	0.31
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	15	0.31
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	15	0.31
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	15	0.31
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	15	0.31
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	15	0.31
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	15	0.31
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	15	0.31
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	15	0.31
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	15	0.31
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	15	0.31
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	15	0.31
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	15	0.31
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	1	0.31
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	1	0.31
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	1	0.31
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	1	0.31
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	6	0.31
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	6	0.31
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	6	0.31
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	6	0.31
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	7	0.31
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	7	0.31
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	7	0.31
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	7	0.31
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	1	0.31
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	1	0.31
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	1	0.31
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	14	0.31
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	14	0.31
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	14	0.31
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	14	0.31
(1,534)	1:15:A:ARG:HA	1:17:A:LYS:H	5	0.3
(1,534)	1:15:A:ARG:HA	1:17:A:LYS:H	6	0.3
(1,534)	1:15:A:ARG:HA	1:17:A:LYS:H	8	0.3
(1,534)	1:15:A:ARG:HA	1:17:A:LYS:H	12	0.3
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	6	0.3
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	6	0.3
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	18	0.3
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	18	0.3
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	6	0.3
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	6	0.3
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	18	0.3
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	18	0.3
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	6	0.3
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	6	0.3
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	18	0.3
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	18	0.3
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	2	0.3
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	7	0.3
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	9	0.3
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	1	0.3
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	2	0.3
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	3	0.3
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	4	0.3
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	6	0.3
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	7	0.3
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	9	0.3
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	10	0.3
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	12	0.3
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	13	0.3
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	14	0.3
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	16	0.3
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	17	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	2	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	2	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	2	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	2	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	2	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	3	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	3	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	3	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	3	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	3	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	3	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	7	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	7	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	7	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	7	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	7	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	7	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	9	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	9	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	9	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	9	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	9	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	9	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	14	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	14	0.3
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	14	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	14	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	14	0.3
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	14	0.3
(1,236)	1:7:A:PHE:HE1	1:12:A:ILE:HA	19	0.3
(1,236)	1:7:A:PHE:HE2	1:12:A:ILE:HA	19	0.3
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	8	0.3
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	8	0.3
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	9	0.3
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	9	0.3
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	17	0.3
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	17	0.3
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	19	0.3
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	19	0.3
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	1	0.3
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	7	0.3
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	16	0.3
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	19	0.3
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG2	8	0.3
(1,122)	1:5:A:SER:H	1:6:A:LYS:HG3	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	20	0.3
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	20	0.3
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	20	0.3
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	20	0.3
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	20	0.3
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	20	0.3
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	20	0.3
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	20	0.3
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	20	0.3
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	20	0.3
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	20	0.3
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	20	0.3
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	16	0.3
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	16	0.3
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	16	0.3
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	16	0.3
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	16	0.3
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	16	0.3
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	16	0.3
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	16	0.3
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	16	0.3
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	16	0.3
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	16	0.3
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	16	0.3
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	15	0.3
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	15	0.3
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	15	0.3
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	15	0.3
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	20	0.29
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	20	0.29
(1,534)	1:15:A:ARG:HA	1:17:A:LYS:H	13	0.29
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	1	0.29
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	1	0.29
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	13	0.29
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	13	0.29
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	15	0.29
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	15	0.29
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	1	0.29
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	1	0.29
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	13	0.29
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	13	0.29
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	15	0.29
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	1	0.29
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	1	0.29
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	13	0.29
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	13	0.29
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	15	0.29
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	15	0.29
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	3	0.29
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	6	0.29
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	14	0.29
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	17	0.29
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	8	0.29
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	15	0.29
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	18	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	1	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	1	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	1	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	1	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	1	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	1	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	4	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	4	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	4	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	4	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	4	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	4	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	6	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	6	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	6	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	6	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	6	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	6	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	10	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	10	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	10	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	10	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	10	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	10	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	12	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	12	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	12	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	12	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	12	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	13	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	13	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	13	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	13	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	13	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	13	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	17	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	17	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	17	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	17	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	17	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	17	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	18	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	18	0.29
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	18	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	18	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	18	0.29
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	18	0.29
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	3	0.29
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	3	0.29
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	4	0.29
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	4	0.29
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	7	0.29
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	7	0.29
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	10	0.29
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	10	0.29
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	18	0.29
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	18	0.29
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	3	0.29
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	17	0.29
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	8	0.29
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	8	0.29
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	8	0.29
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	8	0.29
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	8	0.29
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	8	0.29
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	8	0.29
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	8	0.29
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	8	0.29
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	8	0.29
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	8	0.29
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	5	0.29
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	5	0.29
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	5	0.29
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	5	0.29
(1,534)	1:15:A:ARG:HA	1:17:A:LYS:H	17	0.28
(1,532)	1:15:A:ARG:HG2	1:16:A:LYS:H	17	0.28
(1,532)	1:15:A:ARG:HG3	1:16:A:LYS:H	17	0.28
(1,531)	1:15:A:ARG:HG2	1:16:A:LYS:H	17	0.28
(1,531)	1:15:A:ARG:HG3	1:16:A:LYS:H	17	0.28
(1,530)	1:15:A:ARG:HG2	1:16:A:LYS:H	17	0.28
(1,530)	1:15:A:ARG:HG3	1:16:A:LYS:H	17	0.28
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	1	0.28
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	4	0.28
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	10	0.28
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	11	0.28
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	12	0.28
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	13	0.28
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	20	0.28
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	5	0.28
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	11	0.28
(1,411)	1:11:A:PHE:H	1:12:A:ILE:H	20	0.28
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	8	0.28
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	8	0.28
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	8	0.28
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	8	0.28
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	8	0.28
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	8	0.28
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD11	15	0.28
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD12	15	0.28
(1,407)	1:11:A:PHE:HE1	1:12:A:ILE:HD13	15	0.28
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD11	15	0.28
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD12	15	0.28
(1,407)	1:11:A:PHE:HE2	1:12:A:ILE:HD13	15	0.28
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	2	0.28
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	2	0.28
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	2	0.28
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	2	0.28
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	2	0.28
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	2	0.28
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	5	0.28
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	5	0.28
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	5	0.28
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	5	0.28
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	5	0.28
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	11	0.28
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	11	0.28
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	11	0.28
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	11	0.28
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	11	0.28
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	11	0.28
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	19	0.28
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	19	0.28
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	19	0.28
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	19	0.28
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	19	0.28
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	19	0.28
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	20	0.28
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	20	0.28
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	20	0.28
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	20	0.28
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	20	0.28
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	20	0.28
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	2	0.28
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	12	0.28
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	16	0.28
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	5	0.28
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	1	0.28
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	1	0.28
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	6	0.28
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	6	0.28
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	13	0.28
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	13	0.28
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	14	0.28
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	14	0.28
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	5	0.28
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	9	0.28
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	10	0.28
(1,126)	1:5:A:SER:HA	1:7:A:PHE:H	11	0.28
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	9	0.28
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	9	0.28
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	9	0.28
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	9	0.28
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	9	0.28
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	9	0.28
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	9	0.28
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	9	0.28
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	9	0.28
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	9	0.28
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	9	0.28
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	17	0.28
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	17	0.28
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	17	0.28
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	17	0.28
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	17	0.28
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	17	0.28
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	17	0.28
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	17	0.28
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	17	0.28
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	17	0.28
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	17	0.28
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	17	0.28
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	3	0.28
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	3	0.28
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	3	0.28
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	3	0.28
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	3	0.28
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	3	0.28
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	3	0.28
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	3	0.28
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	3	0.28
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	3	0.28
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	3	0.28
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	3	0.28
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	9	0.28
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	9	0.28
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	9	0.28
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	9	0.28
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	9	0.28
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	9	0.28
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	9	0.28
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	9	0.28
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	9	0.28
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	9	0.28
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	9	0.28
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	12	0.28
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	12	0.28
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	12	0.28
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	12	0.28
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	12	0.28
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	12	0.28
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	12	0.28
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	12	0.28
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	12	0.28
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	12	0.28
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	12	0.28
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	12	0.28
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	15	0.28
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	15	0.28
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	15	0.28
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	15	0.28
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	15	0.28
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	15	0.28
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	15	0.28
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	15	0.28
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	15	0.28
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	15	0.28
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	15	0.28
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	15	0.28
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	17	0.28
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	17	0.28
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	17	0.28
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	17	0.28
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	17	0.28
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	17	0.28
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	17	0.28
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	17	0.28
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	17	0.28
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	17	0.28
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	17	0.28
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	17	0.28
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	19	0.28
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	19	0.28
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	19	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	19	0.28
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	19	0.28
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	19	0.28
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	19	0.28
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	19	0.28
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	19	0.28
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	19	0.28
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	19	0.28
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	19	0.28
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	15	0.28
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	15	0.28
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	15	0.28
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	15	0.28
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	14	0.27
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	14	0.27
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	15	0.27
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	15	0.27
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	4	0.27
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	16	0.27
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	18	0.27
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	19	0.27
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	19	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	1	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	1	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	1	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	1	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	1	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	1	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	4	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	4	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	4	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	4	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	4	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	4	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	6	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	6	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	6	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	6	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	6	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	6	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	7	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	7	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	7	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	7	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	7	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	9	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	9	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	9	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	9	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	9	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	9	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	10	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	10	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	10	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	10	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	10	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	10	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	12	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	12	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	12	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	12	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	12	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	12	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	13	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	13	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	13	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	13	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	13	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	13	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	14	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	14	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	14	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	14	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	14	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	14	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	15	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	15	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	15	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	15	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	15	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	15	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	16	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	16	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	16	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	16	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	16	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	17	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	17	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	17	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	17	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	17	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	17	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	18	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	18	0.27
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	18	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	18	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	18	0.27
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	18	0.27
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	3	0.27
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	7	0.27
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	8	0.27
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	9	0.27
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	10	0.27
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	13	0.27
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	14	0.27
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	15	0.27
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	17	0.27
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	18	0.27
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	4	0.27
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	4	0.27
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	4	0.27
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	4	0.27
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	4	0.27
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	4	0.27
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	4	0.27
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	4	0.27
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	4	0.27
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	4	0.27
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	4	0.27
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	4	0.27
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	7	0.27
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	7	0.27
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	7	0.27
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	7	0.27
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	7	0.27
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	7	0.27
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	7	0.27
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	7	0.27
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	7	0.27
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	7	0.27
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	7	0.27
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	10	0.27
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	10	0.27
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	10	0.27
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	10	0.27
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	10	0.27
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	10	0.27
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	10	0.27
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	10	0.27
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	10	0.27
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	10	0.27
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	10	0.27
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	10	0.27
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	18	0.27
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	18	0.27
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	18	0.27
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	18	0.27
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	18	0.27
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	18	0.27
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	18	0.27
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	18	0.27
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	18	0.27
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	18	0.27
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	18	0.27
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	18	0.27
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	19	0.27
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	19	0.27
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	19	0.27
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	19	0.27
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	19	0.27
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	19	0.27
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	19	0.27
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	19	0.27
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	19	0.27
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	19	0.27
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	19	0.27
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	2	0.27
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	2	0.27
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	2	0.27
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	2	0.27
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	2	0.27
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	2	0.27
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	2	0.27
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	2	0.27
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	2	0.27
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	2	0.27
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	2	0.27
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	2	0.27
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	4	0.27
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	4	0.27
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	4	0.27
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	4	0.27
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	4	0.27
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	4	0.27
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	4	0.27
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	4	0.27
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	4	0.27
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	4	0.27
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	4	0.27
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	4	0.27
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	7	0.27
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	7	0.27
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	7	0.27
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	7	0.27
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	7	0.27
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	7	0.27
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	7	0.27
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	7	0.27
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	7	0.27
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	7	0.27
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	7	0.27
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	7	0.27
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	10	0.27
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	10	0.27
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	10	0.27
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	10	0.27
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	10	0.27
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	10	0.27
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	10	0.27
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	10	0.27
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	10	0.27
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	10	0.27
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	10	0.27
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	14	0.27
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	14	0.27
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	14	0.27
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	14	0.27
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	14	0.27
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	14	0.27
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	14	0.27
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	14	0.27
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	14	0.27
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	14	0.27
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	14	0.27
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	14	0.27
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	11	0.27
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	11	0.27
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	11	0.27
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	11	0.27
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	12	0.27
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	12	0.27
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	12	0.27
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	12	0.27
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	20	0.27
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	20	0.27
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	20	0.27
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	20	0.27
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	17	0.27
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	17	0.27
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:H	15	0.27
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:H	15	0.27
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	11	0.26
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	11	0.26
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	1	0.26
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	10	0.26
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	11	0.26
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	15	0.26
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	5	0.26
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	8	0.26
(1,478)	1:13:A:LEU:HG	1:14:A:GLN:H	15	0.26
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	16	0.26
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	16	0.26
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	3	0.26
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	3	0.26
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	3	0.26
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	3	0.26
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	3	0.26
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	3	0.26
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD11	8	0.26
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD12	8	0.26
(1,231)	1:7:A:PHE:HB2	1:12:A:ILE:HD13	8	0.26
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD11	8	0.26
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD12	8	0.26
(1,231)	1:7:A:PHE:HB3	1:12:A:ILE:HD13	8	0.26
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	1	0.26
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	4	0.26
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	6	0.26
(1,199)	1:7:A:PHE:HA	1:9:A:ARG:H	19	0.26
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	11	0.26
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	20	0.26
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	7	0.26
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	13	0.26
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	19	0.26
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	1	0.26
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	1	0.26
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	1	0.26
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	1	0.26
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	1	0.26
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	1	0.26
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	1	0.26
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	1	0.26
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	1	0.26
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	1	0.26
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	1	0.26
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	1	0.26
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	5	0.26
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	5	0.26
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	5	0.26
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	5	0.26
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	5	0.26
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	5	0.26
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	5	0.26
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	5	0.26
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	5	0.26
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	5	0.26
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	5	0.26
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	6	0.26
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	6	0.26
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	6	0.26
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	6	0.26
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	6	0.26
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	6	0.26
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	6	0.26
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	6	0.26
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	6	0.26
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	6	0.26
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	6	0.26
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	6	0.26
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	14	0.26
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	14	0.26
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	14	0.26
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	14	0.26
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	14	0.26
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	14	0.26
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	14	0.26
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	14	0.26
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	14	0.26
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	14	0.26
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	14	0.26
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	14	0.26
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	1	0.26
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	1	0.26
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	1	0.26
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	1	0.26
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	1	0.26
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	1	0.26
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	1	0.26
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	1	0.26
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	1	0.26
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	1	0.26
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	1	0.26
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	6	0.26
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	6	0.26
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	6	0.26
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	6	0.26
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	6	0.26
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	6	0.26
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	6	0.26
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	6	0.26
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	6	0.26
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	6	0.26
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	6	0.26
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	6	0.26
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	18	0.26
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	18	0.26
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	18	0.26
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	18	0.26
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	18	0.26
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	18	0.26
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	18	0.26
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	18	0.26
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	18	0.26
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	18	0.26
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	18	0.26
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	18	0.26
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	8	0.26
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	8	0.26
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	8	0.26
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	8	0.26
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	8	0.26
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	8	0.26
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	8	0.26
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	8	0.26
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	8	0.26
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	8	0.26
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	8	0.26
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	8	0.26
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	8	0.26
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	8	0.26
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	8	0.26
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	17	0.26
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	17	0.26
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	17	0.26
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	17	0.26
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	17	0.26
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	17	0.26
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	17	0.26
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	17	0.26
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:H	18	0.26
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:H	18	0.26
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	4	0.25
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	4	0.25
(1,529)	1:15:A:ARG:HD2	1:16:A:LYS:H	16	0.25
(1,529)	1:15:A:ARG:HD3	1:16:A:LYS:H	16	0.25
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	1	0.25
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	1	0.25
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	2	0.25
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	7	0.25
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	9	0.25
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	20	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	1	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	1	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	2	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	2	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	3	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	3	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	4	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	4	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	6	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	6	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	7	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	7	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	8	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	8	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	9	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	9	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	10	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	10	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	13	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	13	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	14	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	17	0.25
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	17	0.25
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	1	0.25
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	2	0.25
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	6	0.25
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	8	0.25
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	10	0.25
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	12	0.25
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	14	0.25
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	17	0.25
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	5	0.25
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	5	0.25
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	12	0.25
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	12	0.25
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	15	0.25
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	15	0.25
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	16	0.25
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	16	0.25
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	3	0.25
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	3	0.25
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	3	0.25
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	3	0.25
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	3	0.25
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	3	0.25
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	3	0.25
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	3	0.25
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	3	0.25
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	3	0.25
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	3	0.25
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	3	0.25
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB2	13	0.25
(1,94)	1:4:A:LEU:HD11	1:7:A:PHE:HB3	13	0.25
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB2	13	0.25
(1,94)	1:4:A:LEU:HD12	1:7:A:PHE:HB3	13	0.25
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB2	13	0.25
(1,94)	1:4:A:LEU:HD13	1:7:A:PHE:HB3	13	0.25
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB2	13	0.25
(1,94)	1:4:A:LEU:HD21	1:7:A:PHE:HB3	13	0.25
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB2	13	0.25
(1,94)	1:4:A:LEU:HD22	1:7:A:PHE:HB3	13	0.25
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB2	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:4:A:LEU:HD23	1:7:A:PHE:HB3	13	0.25
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	10	0.25
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	10	0.25
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	13	0.25
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	13	0.25
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	13	0.25
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	13	0.25
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	13	0.25
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	13	0.25
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	13	0.25
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	13	0.25
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	13	0.25
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	13	0.25
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	13	0.25
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	13	0.25
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	14	0.25
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	14	0.25
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	14	0.25
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	14	0.25
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	16	0.25
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	16	0.25
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	16	0.25
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	16	0.25
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	16	0.25
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	16	0.25
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	10	0.24
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	10	0.24
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	17	0.24
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	17	0.24
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	3	0.24
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	13	0.24
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	18	0.24
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	11	0.24
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	11	0.24
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	12	0.24
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	12	0.24
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	15	0.24
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	15	0.24
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	18	0.24
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	18	0.24
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	11	0.24
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	11	0.24
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	11	0.24
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	16	0.24
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	16	0.24
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	16	0.24
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	16	0.24
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	19	0.24
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	19	0.24
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	19	0.24
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	19	0.24
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	3	0.24
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	4	0.24
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	9	0.24
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	15	0.24
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	18	0.24
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	2	0.24
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	2	0.24
(1,113)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	12	0.24
(1,113)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	12	0.24
(1,113)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	12	0.24
(1,113)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	12	0.24
(1,113)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	12	0.24
(1,113)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	12	0.24
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	1	0.24
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	1	0.24
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	3	0.24
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	3	0.24
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	18	0.24
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	18	0.24
(1,57)	1:3:A:ARG:HD2	1:4:A:LEU:H	11	0.24
(1,57)	1:3:A:ARG:HD3	1:4:A:LEU:H	11	0.24
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	3	0.24
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	3	0.24
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	3	0.24
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	3	0.24
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	5	0.24
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	5	0.24
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	5	0.24
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	5	0.24
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	5	0.23
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	5	0.23
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	6	0.23
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	13	0.23
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	13	0.23
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	18	0.23
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	18	0.23
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	6	0.23
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	12	0.23
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	17	0.23
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	5	0.23
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	5	0.23
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	5	0.23
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	5	0.23
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB2	20	0.23
(1,322)	1:9:A:ARG:HA	1:11:A:PHE:HB3	20	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	2	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	2	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	2	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	2	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	3	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	3	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	3	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	3	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	5	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	5	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	5	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	5	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	7	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	7	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	7	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	7	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	9	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	9	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	9	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	9	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	12	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	12	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	12	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	12	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	13	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	13	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	13	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	15	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	15	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	15	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	15	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	20	0.23
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	20	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	20	0.23
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	20	0.23
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	2	0.23
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	3	0.23
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	4	0.23
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	7	0.23
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	12	0.23
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	13	0.23
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	14	0.23
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	19	0.23
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	16	0.23
(1,113)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	2	0.23
(1,113)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	2	0.23
(1,113)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	2	0.23
(1,113)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	2	0.23
(1,113)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	2	0.23
(1,113)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	2	0.23
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	4	0.23
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	4	0.23
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	6	0.23
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	6	0.23
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	9	0.23
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	9	0.23
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	11	0.23
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	11	0.23
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	17	0.23
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	17	0.23
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE2	8	0.23
(1,85)	1:4:A:LEU:HD11	1:6:A:LYS:HE3	8	0.23
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE2	8	0.23
(1,85)	1:4:A:LEU:HD12	1:6:A:LYS:HE3	8	0.23
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE2	8	0.23
(1,85)	1:4:A:LEU:HD13	1:6:A:LYS:HE3	8	0.23
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE2	8	0.23
(1,85)	1:4:A:LEU:HD21	1:6:A:LYS:HE3	8	0.23
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE2	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:4:A:LEU:HD22	1:6:A:LYS:HE3	8	0.23
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE2	8	0.23
(1,85)	1:4:A:LEU:HD23	1:6:A:LYS:HE3	8	0.23
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	9	0.23
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	9	0.23
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	9	0.23
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	9	0.23
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	2	0.23
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	2	0.23
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	2	0.23
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	2	0.23
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	3	0.22
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	3	0.22
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	12	0.22
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	12	0.22
(1,500)	1:14:A:GLN:HA	1:17:A:LYS:H	6	0.22
(1,500)	1:14:A:GLN:HA	1:17:A:LYS:H	12	0.22
(1,500)	1:14:A:GLN:HA	1:17:A:LYS:H	13	0.22
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	8	0.22
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	8	0.22
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	16	0.22
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	16	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	2	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	2	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	2	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	2	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	2	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	2	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	4	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	4	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	4	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	4	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	4	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	4	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	7	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	7	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	7	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	7	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	7	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	7	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	9	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	9	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	9	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	9	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	9	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	10	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	10	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	10	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	10	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	10	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	10	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	11	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	11	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	11	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	11	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	11	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	11	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	14	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	14	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	14	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	14	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	14	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	14	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	16	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	16	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	16	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	16	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	16	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	16	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	19	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	19	0.22
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	19	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	19	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	19	0.22
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	19	0.22
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	1	0.22
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	1	0.22
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	1	0.22
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	1	0.22
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	4	0.22
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	4	0.22
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	4	0.22
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	6	0.22
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	6	0.22
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	6	0.22
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	6	0.22
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	8	0.22
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	8	0.22
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	8	0.22
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	8	0.22
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	10	0.22
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	10	0.22
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	10	0.22
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	10	0.22
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	14	0.22
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	14	0.22
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	14	0.22
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	14	0.22
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	17	0.22
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	17	0.22
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	17	0.22
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	17	0.22
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB2	18	0.22
(1,215)	1:7:A:PHE:HE1	1:10:A:ASP:HB3	18	0.22
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB2	18	0.22
(1,215)	1:7:A:PHE:HE2	1:10:A:ASP:HB3	18	0.22
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	1	0.22
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	6	0.22
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	8	0.22
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	9	0.22
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	10	0.22
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	15	0.22
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	16	0.22
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	17	0.22
(1,185)	1:7:A:PHE:H	1:7:A:PHE:HZ	18	0.22
(1,161)	1:6:A:LYS:HG2	1:8:A:PHE:H	11	0.22
(1,161)	1:6:A:LYS:HG3	1:8:A:PHE:H	11	0.22
(1,120)	1:5:A:SER:HA	1:6:A:LYS:HD2	11	0.22
(1,120)	1:5:A:SER:HA	1:6:A:LYS:HD3	11	0.22
(1,113)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	15	0.22
(1,113)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	15	0.22
(1,113)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	15	0.22
(1,113)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	15	0.22
(1,113)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	15	0.22
(1,113)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	16	0.22
(1,113)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	16	0.22
(1,113)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	16	0.22
(1,113)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	16	0.22
(1,113)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	16	0.22
(1,113)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	16	0.22
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	14	0.22
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	14	0.22
(1,83)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	11	0.22
(1,83)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	11	0.22
(1,83)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	11	0.22
(1,83)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	11	0.22
(1,57)	1:3:A:ARG:HD2	1:4:A:LEU:H	5	0.22
(1,57)	1:3:A:ARG:HD3	1:4:A:LEU:H	5	0.22
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB2	18	0.22
(1,56)	1:3:A:ARG:HD2	1:4:A:LEU:HB3	18	0.22
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB2	18	0.22
(1,56)	1:3:A:ARG:HD3	1:4:A:LEU:HB3	18	0.22
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	13	0.22
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	13	0.22
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	13	0.22
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	13	0.22
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	8	0.21
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	8	0.21
(1,500)	1:14:A:GLN:HA	1:17:A:LYS:H	17	0.21
(1,500)	1:14:A:GLN:HA	1:17:A:LYS:H	18	0.21
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	5	0.21
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	16	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	1	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	1	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	2	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	2	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	3	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	3	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	4	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	4	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	6	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	6	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	7	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	7	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	9	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	10	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	10	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	11	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	11	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	12	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	12	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	13	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	13	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	14	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	14	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	15	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	15	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	17	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	17	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	18	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	18	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	19	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	19	0.21
(1,363)	1:10:A:ASP:HB2	1:11:A:PHE:H	20	0.21
(1,363)	1:10:A:ASP:HB3	1:11:A:PHE:H	20	0.21
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	3	0.21
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	3	0.21
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	3	0.21
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	3	0.21
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	3	0.21
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	3	0.21
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	6	0.21
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	6	0.21
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	6	0.21
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	6	0.21
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	6	0.21
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	6	0.21
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	18	0.21
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	18	0.21
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	18	0.21
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	18	0.21
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	18	0.21
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	18	0.21
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	20	0.21
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	20	0.21
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	20	0.21
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	20	0.21
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	20	0.21
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	5	0.21
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	5	0.21
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	5	0.21
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	5	0.21
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	11	0.21
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	11	0.21
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	11	0.21
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	11	0.21
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	19	0.21
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	19	0.21
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	19	0.21
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	19	0.21
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	7	0.21
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	7	0.21
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	8	0.21
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	8	0.21
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	13	0.21
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	13	0.21
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	19	0.21
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	19	0.21
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	19	0.21
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	19	0.21
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	19	0.21
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	19	0.21
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	19	0.21
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	19	0.21
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	19	0.21
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	19	0.21
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	19	0.21
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	19	0.21
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	6	0.21
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	6	0.21
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	14	0.21
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	14	0.21
(1,548)	1:16:A:LYS:HG2	1:17:A:LYS:H	2	0.2
(1,548)	1:16:A:LYS:HG3	1:17:A:LYS:H	2	0.2
(1,547)	1:16:A:LYS:HB2	1:17:A:LYS:H	2	0.2
(1,547)	1:16:A:LYS:HB3	1:17:A:LYS:H	2	0.2
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	1	0.2
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	15	0.2
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	15	0.2
(1,500)	1:14:A:GLN:HA	1:17:A:LYS:H	5	0.2
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	8	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	1	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	1	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	2	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	2	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	5	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	5	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	6	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	6	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	8	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	8	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	10	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	10	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	11	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	11	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	12	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	12	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	15	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	15	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	16	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	16	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	17	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	17	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	18	0.2
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	18	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	1	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	1	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	1	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	1	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	1	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	1	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	5	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	5	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	5	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	5	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	5	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	5	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	12	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	12	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	12	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	12	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	12	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	13	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	13	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	13	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	13	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	13	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	13	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	15	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	15	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	15	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	15	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	15	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	15	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	17	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	17	0.2
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	17	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	17	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	17	0.2
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	17	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	1	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	1	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	1	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	1	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	2	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	2	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	2	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	2	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	3	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	3	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	3	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	3	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	4	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	4	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	4	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	4	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	6	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	6	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	6	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	7	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	7	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	7	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	7	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	8	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	8	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	8	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	8	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	9	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	9	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	9	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	9	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	10	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	10	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	10	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	10	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	12	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	12	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	12	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	12	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	13	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	13	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	13	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	13	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	14	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	14	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	14	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	14	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	15	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	15	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	15	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	15	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	16	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	16	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	16	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	16	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	17	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	17	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	17	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	17	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	18	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	18	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	18	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE1	20	0.2
(1,181)	1:7:A:PHE:HB2	1:7:A:PHE:HE2	20	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE1	20	0.2
(1,181)	1:7:A:PHE:HB3	1:7:A:PHE:HE2	20	0.2
(1,121)	1:5:A:SER:H	1:6:A:LYS:HD2	5	0.2
(1,121)	1:5:A:SER:H	1:6:A:LYS:HD3	5	0.2
(1,547)	1:16:A:LYS:HB2	1:17:A:LYS:H	9	0.19
(1,547)	1:16:A:LYS:HB3	1:17:A:LYS:H	9	0.19
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	7	0.19
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	7	0.19
(1,529)	1:15:A:ARG:HD2	1:16:A:LYS:H	14	0.19
(1,529)	1:15:A:ARG:HD3	1:16:A:LYS:H	14	0.19
(1,500)	1:14:A:GLN:HA	1:17:A:LYS:H	8	0.19
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	3	0.19
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	3	0.19
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	4	0.19
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	4	0.19
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	7	0.19
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	7	0.19
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	9	0.19
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	9	0.19
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	13	0.19
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	13	0.19
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	14	0.19
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	14	0.19
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	19	0.19
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	19	0.19
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB2	20	0.19
(1,368)	1:10:A:ASP:H	1:11:A:PHE:HB3	20	0.19
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD11	8	0.19
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD12	8	0.19
(1,290)	1:8:A:PHE:HE1	1:12:A:ILE:HD13	8	0.19
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD11	8	0.19
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD12	8	0.19
(1,290)	1:8:A:PHE:HE2	1:12:A:ILE:HD13	8	0.19
(1,121)	1:5:A:SER:H	1:6:A:LYS:HD2	11	0.19
(1,121)	1:5:A:SER:H	1:6:A:LYS:HD3	11	0.19
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	5	0.19
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	19	0.19
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	19	0.19
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	5	0.19
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	5	0.19
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	5	0.19
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	5	0.19
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	5	0.19
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	5	0.19
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	5	0.19
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	5	0.19
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	5	0.19
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	5	0.19
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	5	0.19
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	5	0.19
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	7	0.19
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	7	0.19
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	7	0.19
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	7	0.19
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	7	0.19
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	7	0.19
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	7	0.19
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	7	0.19
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	7	0.19
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	7	0.19
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	7	0.19
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	7	0.19
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	18	0.19
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	18	0.19
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	7	0.19
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	7	0.19
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	7	0.19
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	7	0.19
(1,547)	1:16:A:LYS:HB2	1:17:A:LYS:H	7	0.18
(1,547)	1:16:A:LYS:HB3	1:17:A:LYS:H	7	0.18
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	2	0.18
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	2	0.18
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG2	9	0.18
(1,545)	1:16:A:LYS:HA	1:17:A:LYS:HG3	9	0.18
(1,529)	1:15:A:ARG:HD2	1:16:A:LYS:H	2	0.18
(1,529)	1:15:A:ARG:HD3	1:16:A:LYS:H	2	0.18
(1,529)	1:15:A:ARG:HD2	1:16:A:LYS:H	3	0.18
(1,529)	1:15:A:ARG:HD3	1:16:A:LYS:H	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,529)	1:15:A:ARG:HD2	1:16:A:LYS:H	11	0.18
(1,529)	1:15:A:ARG:HD3	1:16:A:LYS:H	11	0.18
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	20	0.18
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	20	0.18
(1,120)	1:5:A:SER:HA	1:6:A:LYS:HD2	5	0.18
(1,120)	1:5:A:SER:HA	1:6:A:LYS:HD3	5	0.18
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	13	0.18
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	13	0.18
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	13	0.18
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	13	0.18
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	13	0.18
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	13	0.18
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	13	0.18
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	13	0.18
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	13	0.18
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	13	0.18
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	13	0.18
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	13	0.18
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	20	0.18
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	20	0.18
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	20	0.18
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	20	0.18
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	20	0.18
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	20	0.18
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	20	0.18
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	20	0.18
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	20	0.18
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	20	0.18
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	20	0.18
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	20	0.18
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	1	0.18
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	1	0.18
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	10	0.18
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	10	0.18
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	12	0.18
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	12	0.18
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	12	0.18
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	12	0.18
(1,529)	1:15:A:ARG:HD2	1:16:A:LYS:H	20	0.17
(1,529)	1:15:A:ARG:HD3	1:16:A:LYS:H	20	0.17
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	2	0.17
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	19	0.17
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	19	0.17
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	19	0.17
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	19	0.17
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	19	0.17
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	19	0.17
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	12	0.17
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	12	0.17
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	15	0.17
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	15	0.17
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	16	0.17
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	16	0.17
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	15	0.17
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	15	0.17
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	16	0.17
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	16	0.17
(1,83)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	5	0.17
(1,83)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	5	0.17
(1,83)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	5	0.17
(1,83)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	5	0.17
(1,83)	1:4:A:LEU:HB2	1:6:A:LYS:HE2	20	0.17
(1,83)	1:4:A:LEU:HB2	1:6:A:LYS:HE3	20	0.17
(1,83)	1:4:A:LEU:HB3	1:6:A:LYS:HE2	20	0.17
(1,83)	1:4:A:LEU:HB3	1:6:A:LYS:HE3	20	0.17
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	5	0.17
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	5	0.17
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	5	0.17
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	5	0.17
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	5	0.17
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	5	0.17
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	6	0.17
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	6	0.17
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	6	0.17
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	6	0.17
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	6	0.17
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	6	0.17
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	7	0.17
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	7	0.17
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	7	0.17
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	7	0.17
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	7	0.17
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	13	0.17
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	13	0.17
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	13	0.17
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	13	0.17
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	13	0.17
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	13	0.17
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	14	0.17
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	14	0.17
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	14	0.17
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	14	0.17
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	14	0.17
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	14	0.17
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	19	0.17
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	19	0.17
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	19	0.17
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	19	0.17
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	19	0.17
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	19	0.17
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	5	0.17
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	5	0.17
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	5	0.17
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	5	0.17
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	5	0.17
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	5	0.17
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	6	0.17
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	6	0.17
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	6	0.17
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	6	0.17
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	6	0.17
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	6	0.17
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	7	0.17
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	7	0.17
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	7	0.17
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	7	0.17
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	7	0.17
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	7	0.17
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	13	0.17
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	13	0.17
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	13	0.17
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	13	0.17
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	13	0.17
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	14	0.17
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	14	0.17
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	14	0.17
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	14	0.17
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	14	0.17
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	14	0.17
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	19	0.17
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	19	0.17
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	19	0.17
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	19	0.17
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	19	0.17
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	19	0.17
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB2	19	0.17
(1,17)	1:2:A:MET:HB2	1:4:A:LEU:HB3	19	0.17
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB2	19	0.17
(1,17)	1:2:A:MET:HB3	1:4:A:LEU:HB3	19	0.17
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HB2	8	0.17
(1,7)	1:2:A:MET:HA	1:3:A:ARG:HB3	8	0.17
(1,529)	1:15:A:ARG:HD2	1:16:A:LYS:H	4	0.16
(1,529)	1:15:A:ARG:HD3	1:16:A:LYS:H	4	0.16
(1,529)	1:15:A:ARG:HD2	1:16:A:LYS:H	9	0.16
(1,529)	1:15:A:ARG:HD3	1:16:A:LYS:H	9	0.16
(1,529)	1:15:A:ARG:HD2	1:16:A:LYS:H	10	0.16
(1,529)	1:15:A:ARG:HD3	1:16:A:LYS:H	10	0.16
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	4	0.16
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	4	0.16
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	11	0.16
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	11	0.16
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	14	0.16
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	14	0.16
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	17	0.16
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	17	0.16
(1,498)	1:14:A:GLN:HA	1:15:A:ARG:H	19	0.16
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	3	0.16
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	3	0.16
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	5	0.16
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	5	0.16
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	8	0.16
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	8	0.16
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	12	0.16
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	12	0.16
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	19	0.16
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	11	0.16
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	11	0.16
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	2	0.16
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	2	0.16
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	1	0.16
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	1	0.16
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	1	0.16
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	1	0.16
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	1	0.16
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	1	0.16
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	4	0.16
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	4	0.16
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	4	0.16
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	4	0.16
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	4	0.16
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	4	0.16
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	10	0.16
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	10	0.16
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	10	0.16
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	10	0.16
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	10	0.16
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	10	0.16
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	17	0.16
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	17	0.16
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	17	0.16
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	17	0.16
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	17	0.16
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	17	0.16
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	1	0.16
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	1	0.16
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	1	0.16
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	1	0.16
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	1	0.16
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	1	0.16
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	4	0.16
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	4	0.16
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	4	0.16
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	4	0.16
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	4	0.16
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	4	0.16
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	10	0.16
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	10	0.16
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	10	0.16
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	10	0.16
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	10	0.16
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	17	0.16
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	17	0.16
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	17	0.16
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	17	0.16
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	17	0.16
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	17	0.16
(1,58)	1:3:A:ARG:HA	1:5:A:SER:H	20	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	2	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	2	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	2	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	2	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	2	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	2	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	2	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	2	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	2	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	2	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	2	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	2	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	12	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	12	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	12	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	12	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	12	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	12	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	12	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	12	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	12	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	12	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	12	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	12	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	14	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	14	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	14	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	14	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	14	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	14	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	14	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	14	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	14	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	14	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	14	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	17	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	17	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	17	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	17	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	17	0.16
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	17	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	17	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	17	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	17	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	17	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	17	0.16
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	17	0.16
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	4	0.16
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	4	0.16
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	5	0.16
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	5	0.16
(1,553)	1:17:A:LYS:HA	1:17:A:LYS:HE2	2	0.15
(1,553)	1:17:A:LYS:HA	1:17:A:LYS:HE3	2	0.15
(1,529)	1:15:A:ARG:HD2	1:16:A:LYS:H	7	0.15
(1,529)	1:15:A:ARG:HD3	1:16:A:LYS:H	7	0.15
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	6	0.15
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	6	0.15
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	13	0.15
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	13	0.15
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	18	0.15
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	18	0.15
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	20	0.15
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	20	0.15
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	2	0.15
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	2	0.15
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	2	0.15
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	2	0.15
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	2	0.15
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	2	0.15
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	3	0.15
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	3	0.15
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	3	0.15
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	3	0.15
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	3	0.15
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	6	0.15
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	6	0.15
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	6	0.15
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	6	0.15
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	6	0.15
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	6	0.15
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	7	0.15
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	7	0.15
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	7	0.15
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	7	0.15
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	7	0.15
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	7	0.15
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	9	0.15
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	9	0.15
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	9	0.15
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	9	0.15
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	9	0.15
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	9	0.15
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	12	0.15
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	12	0.15
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	12	0.15
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	12	0.15
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	12	0.15
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	12	0.15
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	13	0.15
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	13	0.15
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	13	0.15
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	13	0.15
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	13	0.15
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	13	0.15
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	17	0.15
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	17	0.15
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	17	0.15
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	17	0.15
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	17	0.15
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	17	0.15
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	1	0.15
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	2	0.15
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	2	0.15
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	6	0.15
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	6	0.15
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	7	0.15
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	7	0.15
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	9	0.15
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	9	0.15
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	10	0.15
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	10	0.15
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	13	0.15
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	13	0.15
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	14	0.15
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	14	0.15
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	15	0.15
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	15	0.15
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	16	0.15
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	16	0.15
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	17	0.15
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	17	0.15
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	18	0.15
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	18	0.15
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	20	0.15
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	20	0.15
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	11	0.15
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	14	0.15
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	5	0.15
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	5	0.15
(1,113)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	11	0.15
(1,113)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	11	0.15
(1,113)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	11	0.15
(1,113)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	11	0.15
(1,113)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	11	0.15
(1,113)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	11	0.15
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE1	3	0.15
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE2	3	0.15
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE1	3	0.15
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE2	3	0.15
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE1	3	0.15
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE2	3	0.15
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE1	3	0.15
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE2	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE1	3	0.15
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE2	3	0.15
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE1	3	0.15
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE2	3	0.15
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE1	6	0.15
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE2	6	0.15
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE1	6	0.15
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE2	6	0.15
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE1	6	0.15
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE2	6	0.15
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE1	6	0.15
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE2	6	0.15
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE1	6	0.15
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE2	6	0.15
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE1	6	0.15
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE2	6	0.15
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	2	0.15
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	2	0.15
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	12	0.15
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	12	0.15
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	9	0.15
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	9	0.15
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	9	0.15
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	9	0.15
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	9	0.15
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	9	0.15
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	18	0.15
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	18	0.15
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	18	0.15
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	18	0.15
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	18	0.15
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	18	0.15
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	9	0.15
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	9	0.15
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	9	0.15
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	9	0.15
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	9	0.15
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	9	0.15
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	18	0.15
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	18	0.15
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	18	0.15
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	18	0.15
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	18	0.15
(1,60)	1:3:A:ARG:H	1:5:A:SER:H	15	0.15
(1,58)	1:3:A:ARG:HA	1:5:A:SER:H	11	0.15
(1,57)	1:3:A:ARG:HD2	1:4:A:LEU:H	20	0.15
(1,57)	1:3:A:ARG:HD3	1:4:A:LEU:H	20	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	1	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	1	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	1	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	1	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	1	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	1	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	1	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	1	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	1	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	1	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	1	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	1	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	4	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	4	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	4	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	4	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	4	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	4	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	4	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	4	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	4	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	4	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	4	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	4	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	6	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	6	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	6	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	6	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	6	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	6	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	6	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	6	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	6	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	6	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	6	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	9	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	9	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	9	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	9	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	9	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	9	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	9	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	9	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	9	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	9	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	9	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	9	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	10	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	10	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	10	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	10	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	10	0.15
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	10	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	10	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	10	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	10	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	10	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	10	0.15
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	10	0.15
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	9	0.15
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	9	0.15
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:H	16	0.15
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:H	16	0.15
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	1	0.14
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	1	0.14
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	2	0.14
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	2	0.14
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	7	0.14
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	7	0.14
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	9	0.14
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	9	0.14
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	10	0.14
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	10	0.14
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	12	0.14
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	12	0.14
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	15	0.14
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	1	0.14
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	1	0.14
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	1	0.14
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	1	0.14
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	1	0.14
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	1	0.14
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	5	0.14
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	5	0.14
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	5	0.14
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	5	0.14
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	5	0.14
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	5	0.14
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	8	0.14
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	8	0.14
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	8	0.14
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	8	0.14
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	8	0.14
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	8	0.14
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	14	0.14
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	14	0.14
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	14	0.14
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	14	0.14
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	14	0.14
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	14	0.14
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	18	0.14
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	18	0.14
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	18	0.14
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	18	0.14
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	18	0.14
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	18	0.14
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	20	0.14
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	20	0.14
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	20	0.14
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	20	0.14
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	20	0.14
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	20	0.14
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	4	0.14
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	4	0.14
(1,449)	1:12:A:ILE:HG12	1:13:A:LEU:H	11	0.14
(1,449)	1:12:A:ILE:HG13	1:13:A:LEU:H	11	0.14
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	1	0.14
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	3	0.14
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	4	0.14
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	7	0.14
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	9	0.14
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	10	0.14
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	19	0.14
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	20	0.14
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	1	0.14
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	1	0.14
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	3	0.14
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	3	0.14
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	4	0.14
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	4	0.14
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	7	0.14
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	7	0.14
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	10	0.14
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	10	0.14
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	13	0.14
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	13	0.14
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	14	0.14
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	14	0.14
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	18	0.14
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	18	0.14
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	1	0.14
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	1	0.14
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	3	0.14
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	3	0.14
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	4	0.14
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	4	0.14
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	7	0.14
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	7	0.14
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	10	0.14
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	10	0.14
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	13	0.14
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	13	0.14
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	14	0.14
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	14	0.14
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	18	0.14
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	18	0.14
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	5	0.14
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	5	0.14
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	11	0.14
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE1	19	0.14
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE2	19	0.14
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE1	19	0.14
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE2	19	0.14
(1,113)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	8	0.14
(1,113)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	8	0.14
(1,113)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	8	0.14
(1,113)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	8	0.14
(1,113)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	8	0.14
(1,113)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	8	0.14
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE1	1	0.14
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE2	1	0.14
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE1	1	0.14
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE2	1	0.14
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE1	1	0.14
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE2	1	0.14
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE1	1	0.14
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE2	1	0.14
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE1	1	0.14
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE2	1	0.14
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE1	1	0.14
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE2	1	0.14
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE1	4	0.14
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE2	4	0.14
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE1	4	0.14
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE2	4	0.14
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE1	4	0.14
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE2	4	0.14
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE1	4	0.14
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE2	4	0.14
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE1	4	0.14
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE2	4	0.14
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE1	4	0.14
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE2	4	0.14
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE1	9	0.14
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE2	9	0.14
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE1	9	0.14
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE2	9	0.14
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE1	9	0.14
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE2	9	0.14
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE1	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE2	9	0.14
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE1	9	0.14
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE2	9	0.14
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE1	9	0.14
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE2	9	0.14
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE1	10	0.14
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE2	10	0.14
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE1	10	0.14
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE2	10	0.14
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE1	10	0.14
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE2	10	0.14
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE1	10	0.14
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE2	10	0.14
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE1	10	0.14
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE2	10	0.14
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE1	10	0.14
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE2	10	0.14
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE1	13	0.14
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE2	13	0.14
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE1	13	0.14
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE2	13	0.14
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE1	13	0.14
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE2	13	0.14
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE1	13	0.14
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE2	13	0.14
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE1	13	0.14
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE2	13	0.14
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE1	13	0.14
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE2	13	0.14
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE1	14	0.14
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE2	14	0.14
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE1	14	0.14
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE2	14	0.14
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE1	14	0.14
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE2	14	0.14
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE1	14	0.14
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE2	14	0.14
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE1	14	0.14
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE2	14	0.14
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE1	14	0.14
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE2	14	0.14
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE1	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE2	18	0.14
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE1	18	0.14
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE2	18	0.14
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE1	18	0.14
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE2	18	0.14
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE1	18	0.14
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE2	18	0.14
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE1	18	0.14
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE2	18	0.14
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE1	18	0.14
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE2	18	0.14
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	11	0.14
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	11	0.14
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	11	0.14
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	11	0.14
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	11	0.14
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	11	0.14
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	11	0.14
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	11	0.14
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	11	0.14
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	11	0.14
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	11	0.14
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	11	0.14
(1,60)	1:3:A:ARG:H	1:5:A:SER:H	18	0.14
(1,57)	1:3:A:ARG:HD2	1:4:A:LEU:H	9	0.14
(1,57)	1:3:A:ARG:HD3	1:4:A:LEU:H	9	0.14
(1,57)	1:3:A:ARG:HD2	1:4:A:LEU:H	19	0.14
(1,57)	1:3:A:ARG:HD3	1:4:A:LEU:H	19	0.14
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	3	0.14
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	3	0.14
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	3	0.14
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	3	0.14
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	3	0.14
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	3	0.14
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	3	0.14
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	3	0.14
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	3	0.14
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	3	0.14
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	3	0.14
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	3	0.14
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	5	0.13
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	4	0.13
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	4	0.13
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	4	0.13
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	4	0.13
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	4	0.13
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	4	0.13
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	10	0.13
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	10	0.13
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	10	0.13
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	10	0.13
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	10	0.13
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	10	0.13
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	11	0.13
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	11	0.13
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	11	0.13
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	11	0.13
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	11	0.13
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	11	0.13
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	15	0.13
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	15	0.13
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	15	0.13
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	15	0.13
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	15	0.13
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	15	0.13
(1,477)	1:13:A:LEU:HD11	1:14:A:GLN:H	16	0.13
(1,477)	1:13:A:LEU:HD12	1:14:A:GLN:H	16	0.13
(1,477)	1:13:A:LEU:HD13	1:14:A:GLN:H	16	0.13
(1,477)	1:13:A:LEU:HD21	1:14:A:GLN:H	16	0.13
(1,477)	1:13:A:LEU:HD22	1:14:A:GLN:H	16	0.13
(1,477)	1:13:A:LEU:HD23	1:14:A:GLN:H	16	0.13
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	8	0.13
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	12	0.13
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	13	0.13
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	17	0.13
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	5	0.13
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	5	0.13
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	6	0.13
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	6	0.13
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	8	0.13
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	8	0.13
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	9	0.13
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	11	0.13
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	11	0.13
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	17	0.13
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	17	0.13
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	19	0.13
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	19	0.13
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	20	0.13
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	20	0.13
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	5	0.13
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	5	0.13
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	6	0.13
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	6	0.13
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	8	0.13
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	8	0.13
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	9	0.13
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	9	0.13
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	11	0.13
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	11	0.13
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	17	0.13
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	17	0.13
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	19	0.13
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	19	0.13
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	20	0.13
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	20	0.13
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	2	0.13
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	2	0.13
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	16	0.13
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	16	0.13
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	3	0.13
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	3	0.13
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	9	0.13
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	9	0.13
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE1	7	0.13
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE2	7	0.13
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE1	7	0.13
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE2	7	0.13
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE1	13	0.13
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE2	13	0.13
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE1	13	0.13
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE2	13	0.13
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE1	17	0.13
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE2	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE1	17	0.13
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE2	17	0.13
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE1	7	0.13
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE2	7	0.13
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE1	7	0.13
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE2	7	0.13
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE1	7	0.13
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE2	7	0.13
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE1	7	0.13
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE2	7	0.13
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE1	7	0.13
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE2	7	0.13
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE1	7	0.13
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE2	7	0.13
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE1	17	0.13
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE2	17	0.13
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE1	17	0.13
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE2	17	0.13
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE1	17	0.13
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE2	17	0.13
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE1	17	0.13
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE2	17	0.13
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE1	17	0.13
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE2	17	0.13
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE1	17	0.13
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE2	17	0.13
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE1	19	0.13
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE2	19	0.13
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE1	19	0.13
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE2	19	0.13
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE1	19	0.13
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE2	19	0.13
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE1	19	0.13
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE2	19	0.13
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE1	19	0.13
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE2	19	0.13
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE1	19	0.13
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE2	19	0.13
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE1	20	0.13
(1,96)	1:4:A:LEU:HD11	1:7:A:PHE:HE2	20	0.13
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE1	20	0.13
(1,96)	1:4:A:LEU:HD12	1:7:A:PHE:HE2	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE1	20	0.13
(1,96)	1:4:A:LEU:HD13	1:7:A:PHE:HE2	20	0.13
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE1	20	0.13
(1,96)	1:4:A:LEU:HD21	1:7:A:PHE:HE2	20	0.13
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE1	20	0.13
(1,96)	1:4:A:LEU:HD22	1:7:A:PHE:HE2	20	0.13
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE1	20	0.13
(1,96)	1:4:A:LEU:HD23	1:7:A:PHE:HE2	20	0.13
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	3	0.13
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	3	0.13
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	3	0.13
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	3	0.13
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	3	0.13
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	3	0.13
(1,72)	1:4:A:LEU:HD11	1:4:A:LEU:H	20	0.13
(1,72)	1:4:A:LEU:HD12	1:4:A:LEU:H	20	0.13
(1,72)	1:4:A:LEU:HD13	1:4:A:LEU:H	20	0.13
(1,72)	1:4:A:LEU:HD21	1:4:A:LEU:H	20	0.13
(1,72)	1:4:A:LEU:HD22	1:4:A:LEU:H	20	0.13
(1,72)	1:4:A:LEU:HD23	1:4:A:LEU:H	20	0.13
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	3	0.13
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	3	0.13
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	3	0.13
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	3	0.13
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	3	0.13
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	3	0.13
(1,71)	1:4:A:LEU:HD11	1:4:A:LEU:H	20	0.13
(1,71)	1:4:A:LEU:HD12	1:4:A:LEU:H	20	0.13
(1,71)	1:4:A:LEU:HD13	1:4:A:LEU:H	20	0.13
(1,71)	1:4:A:LEU:HD21	1:4:A:LEU:H	20	0.13
(1,71)	1:4:A:LEU:HD22	1:4:A:LEU:H	20	0.13
(1,71)	1:4:A:LEU:HD23	1:4:A:LEU:H	20	0.13
(1,57)	1:3:A:ARG:HD2	1:4:A:LEU:H	7	0.13
(1,57)	1:3:A:ARG:HD3	1:4:A:LEU:H	7	0.13
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD11	11	0.13
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD12	11	0.13
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD13	11	0.13
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD21	11	0.13
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD22	11	0.13
(1,54)	1:3:A:ARG:HB2	1:4:A:LEU:HD23	11	0.13
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD11	11	0.13
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD12	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD13	11	0.13
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD21	11	0.13
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD22	11	0.13
(1,54)	1:3:A:ARG:HB3	1:4:A:LEU:HD23	11	0.13
(1,553)	1:17:A:LYS:HA	1:17:A:LYS:HE2	19	0.12
(1,553)	1:17:A:LYS:HA	1:17:A:LYS:HE3	19	0.12
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	9	0.12
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	9	0.12
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	10	0.12
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	10	0.12
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	5	0.12
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	15	0.12
(1,294)	1:9:A:ARG:HA	1:9:A:ARG:HE	16	0.12
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	2	0.12
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	2	0.12
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	12	0.12
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	12	0.12
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	15	0.12
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	15	0.12
(1,266)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	16	0.12
(1,266)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	16	0.12
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	2	0.12
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	2	0.12
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	12	0.12
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	12	0.12
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	15	0.12
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	15	0.12
(1,263)	1:8:A:PHE:HB2	1:8:A:PHE:HZ	16	0.12
(1,263)	1:8:A:PHE:HB3	1:8:A:PHE:HZ	16	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	1	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	1	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	3	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	3	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	4	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	4	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	5	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	5	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	6	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	6	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	7	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	7	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	8	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	9	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	9	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	10	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	10	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	11	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	11	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	12	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	12	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	14	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	14	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	15	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	15	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	17	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	17	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	18	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	18	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	19	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	19	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	20	0.12
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	20	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	1	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	1	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	4	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	4	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	7	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	7	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	10	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	10	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	13	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	13	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	14	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	14	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	17	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	17	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	19	0.12
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	19	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	1	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	1	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	2	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	2	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	3	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	6	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	6	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	10	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	10	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	12	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	12	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	14	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	14	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	16	0.12
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	16	0.12
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB2	19	0.12
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB3	19	0.12
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	3	0.12
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	3	0.12
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	8	0.12
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	8	0.12
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	14	0.12
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	14	0.12
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	18	0.12
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	18	0.12
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE1	1	0.12
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE2	1	0.12
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE1	1	0.12
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE2	1	0.12
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE1	4	0.12
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE2	4	0.12
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE1	4	0.12
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE2	4	0.12
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE1	8	0.12
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE2	8	0.12
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE1	8	0.12
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE2	8	0.12
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE1	9	0.12
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE2	9	0.12
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE1	9	0.12
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE2	9	0.12
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE1	10	0.12
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE2	10	0.12
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE1	10	0.12
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE2	10	0.12
(1,113)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	5	0.12
(1,113)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	5	0.12
(1,113)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	5	0.12
(1,113)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	5	0.12
(1,113)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	5	0.12
(1,113)	1:4:A:LEU:HD11	1:8:A:PHE:HZ	19	0.12
(1,113)	1:4:A:LEU:HD12	1:8:A:PHE:HZ	19	0.12
(1,113)	1:4:A:LEU:HD13	1:8:A:PHE:HZ	19	0.12
(1,113)	1:4:A:LEU:HD21	1:8:A:PHE:HZ	19	0.12
(1,113)	1:4:A:LEU:HD22	1:8:A:PHE:HZ	19	0.12
(1,113)	1:4:A:LEU:HD23	1:8:A:PHE:HZ	19	0.12
(1,92)	1:4:A:LEU:HB2	1:7:A:PHE:HZ	20	0.12
(1,92)	1:4:A:LEU:HB3	1:7:A:PHE:HZ	20	0.12
(1,58)	1:3:A:ARG:HA	1:5:A:SER:H	17	0.12
(1,57)	1:3:A:ARG:HD2	1:4:A:LEU:H	4	0.12
(1,57)	1:3:A:ARG:HD3	1:4:A:LEU:H	4	0.12
(1,57)	1:3:A:ARG:HD2	1:4:A:LEU:H	10	0.12
(1,57)	1:3:A:ARG:HD3	1:4:A:LEU:H	10	0.12
(1,57)	1:3:A:ARG:HD2	1:4:A:LEU:H	14	0.12
(1,57)	1:3:A:ARG:HD3	1:4:A:LEU:H	14	0.12
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	3	0.11
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	3	0.11
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	8	0.11
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	8	0.11
(1,517)	1:15:A:ARG:HD2	1:15:A:ARG:H	16	0.11
(1,517)	1:15:A:ARG:HD3	1:15:A:ARG:H	16	0.11
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	7	0.11
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	7	0.11
(1,500)	1:14:A:GLN:HA	1:17:A:LYS:H	1	0.11
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE1	13	0.11
(1,258)	1:8:A:PHE:HA	1:8:A:PHE:HE2	13	0.11
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	6	0.11
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	6	0.11
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	8	0.11
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	8	0.11
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB2	18	0.11
(1,192)	1:7:A:PHE:H	1:8:A:PHE:HB3	18	0.11
(1,164)	1:6:A:LYS:H	1:8:A:PHE:H	5	0.11
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	4	0.11
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	4	0.11
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	7	0.11
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	9	0.11
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	9	0.11
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	13	0.11
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	13	0.11
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	15	0.11
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	15	0.11
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	17	0.11
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	17	0.11
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	18	0.11
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	18	0.11
(1,156)	1:6:A:LYS:H	1:7:A:PHE:H	11	0.11
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB2	2	0.11
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB3	2	0.11
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB2	7	0.11
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB3	7	0.11
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB2	12	0.11
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB3	12	0.11
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB2	13	0.11
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB3	13	0.11
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB2	15	0.11
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB3	15	0.11
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	1	0.11
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	1	0.11
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	4	0.11
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	4	0.11
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	5	0.11
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	5	0.11
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	6	0.11
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	6	0.11
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	7	0.11
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	7	0.11
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	9	0.11
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	9	0.11
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	10	0.11
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	10	0.11
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	13	0.11
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	13	0.11
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	17	0.11
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	17	0.11
(1,152)	1:6:A:LYS:HD2	1:7:A:PHE:H	19	0.11
(1,152)	1:6:A:LYS:HD3	1:7:A:PHE:H	19	0.11
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE1	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE2	3	0.11
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE1	3	0.11
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE2	3	0.11
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE1	6	0.11
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE2	6	0.11
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE1	6	0.11
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE2	6	0.11
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE1	14	0.11
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE2	14	0.11
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE1	14	0.11
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE2	14	0.11
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE1	18	0.11
(1,151)	1:6:A:LYS:HD2	1:7:A:PHE:HE2	18	0.11
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE1	18	0.11
(1,151)	1:6:A:LYS:HD3	1:7:A:PHE:HE2	18	0.11
(1,76)	1:4:A:LEU:HD11	1:5:A:SER:HA	3	0.11
(1,76)	1:4:A:LEU:HD12	1:5:A:SER:HA	3	0.11
(1,76)	1:4:A:LEU:HD13	1:5:A:SER:HA	3	0.11
(1,76)	1:4:A:LEU:HD21	1:5:A:SER:HA	3	0.11
(1,76)	1:4:A:LEU:HD22	1:5:A:SER:HA	3	0.11
(1,76)	1:4:A:LEU:HD23	1:5:A:SER:HA	3	0.11
(1,57)	1:3:A:ARG:HD2	1:4:A:LEU:H	2	0.11
(1,57)	1:3:A:ARG:HD3	1:4:A:LEU:H	2	0.11
(1,546)	1:16:A:LYS:HA	1:17:A:LYS:H	16	0.1
(1,534)	1:15:A:ARG:HA	1:17:A:LYS:H	15	0.1
(1,529)	1:15:A:ARG:HD2	1:16:A:LYS:H	1	0.1
(1,529)	1:15:A:ARG:HD3	1:16:A:LYS:H	1	0.1
(1,529)	1:15:A:ARG:HD2	1:16:A:LYS:H	5	0.1
(1,529)	1:15:A:ARG:HD3	1:16:A:LYS:H	5	0.1
(1,501)	1:14:A:GLN:HG2	1:17:A:LYS:HA	14	0.1
(1,501)	1:14:A:GLN:HG3	1:17:A:LYS:HA	14	0.1
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	8	0.1
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	8	0.1
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	19	0.1
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	19	0.1
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB2	20	0.1
(1,157)	1:6:A:LYS:HA	1:8:A:PHE:HB3	20	0.1
(1,156)	1:6:A:LYS:H	1:7:A:PHE:H	20	0.1
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB2	8	0.1
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB3	8	0.1
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB2	17	0.1
(1,155)	1:6:A:LYS:H	1:7:A:PHE:HB3	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:3:A:ARG:HD2	1:4:A:LEU:H	8	0.1
(1,57)	1:3:A:ARG:HD3	1:4:A:LEU:H	8	0.1
(1,28)	1:2:A:MET:HB2	1:6:A:LYS:H	3	0.1
(1,28)	1:2:A:MET:HB3	1:6:A:LYS:H	3	0.1
(1,13)	1:2:A:MET:HB2	1:3:A:ARG:H	11	0.1
(1,13)	1:2:A:MET:HB3	1:3:A:ARG:H	11	0.1

10 Dihedral-angle violation analysis ⓘ

No dihedral-angle restraints found