



Full wwPDB NMR Structure Validation Report ⓘ

Dec 25, 2024 – 04:43 PM EST

PDB ID : 6YJ0
BMRB ID : 50015
Title : Solution NMR structure of titin N2A region Ig domain I83
Authors : Pfuhl, M.; Gage, M.
Deposited on : 2020-04-02

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

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/NMRValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity : 4.02b-467
Percentile statistics : 20231227.v01 (using entries in the PDB archive December 27th 2023)
wwPDB-RCI : v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV : Wang et al. (2010)
wwPDB-ShiftChecker : v1.2
BMRB Restraints Analysis : v1.2
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.40

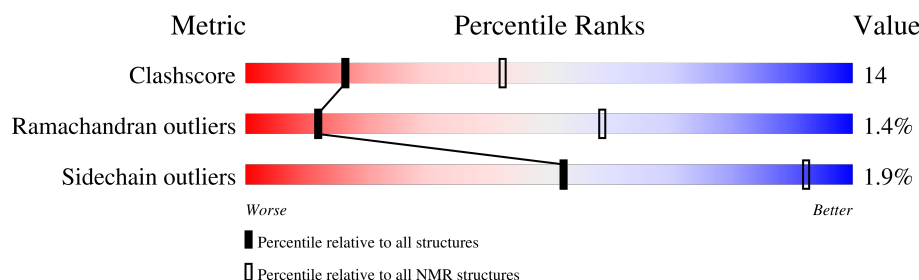
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 92%.

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



Metric	Whole archive (#Entries)	NMR archive (#Entries)
Clashscore	210492	14027
Ramachandran outliers	207382	12486
Sidechain outliers	206894	12463

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

Mol	Chain	Length	Quality of chain
1	A	105	

2 Ensemble composition and analysis

This entry contains 40 models. Model 14 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:11-A:83, A:91-A:100 (83)	0.14	14

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 7 clusters and 3 single-model clusters were found.

Cluster number	Models
1	1, 11, 14, 18, 20, 21, 22, 23, 25, 29, 30, 32, 35, 36, 37, 39
2	3, 8, 10, 12, 13, 16, 19, 26, 33, 40
3	27, 31, 38
4	2, 24
5	5, 17
6	4, 9
7	6, 7
Single-model clusters	15; 28; 34

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 1632 atoms, of which 795 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Titin.

Mol	Chain	Residues	Atoms						Trace
1	A	105	Total	C	H	N	O	S	0
			1632	520	795	145	168	4	

There are 14 discrepancies between the modelled and reference sequences:

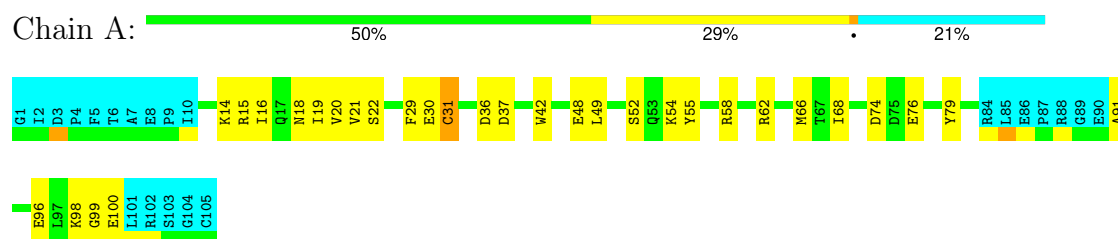
Chain	Residue	Modelled	Actual	Comment	Reference
A	1	GLY	-	expression tag	UNP A2ASS6
A	2	ILE	-	expression tag	UNP A2ASS6
A	3	ASP	-	expression tag	UNP A2ASS6
A	4	PRO	-	expression tag	UNP A2ASS6
A	5	PHE	-	expression tag	UNP A2ASS6
A	6	THR	-	expression tag	UNP A2ASS6
A	98	LYS	-	expression tag	UNP A2ASS6
A	99	GLY	-	expression tag	UNP A2ASS6
A	100	GLU	-	expression tag	UNP A2ASS6
A	101	LEU	-	expression tag	UNP A2ASS6
A	102	ARG	-	expression tag	UNP A2ASS6
A	103	SER	-	expression tag	UNP A2ASS6
A	104	GLY	-	expression tag	UNP A2ASS6
A	105	CYS	-	expression tag	UNP A2ASS6

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: Titin

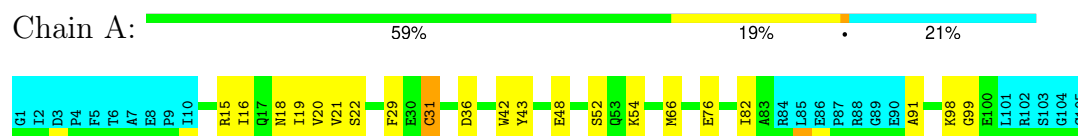


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

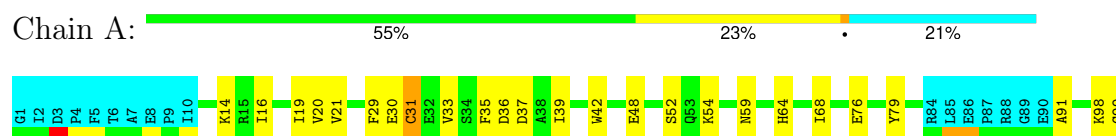
4.2.1 Score per residue for model 1

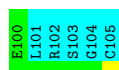
- Molecule 1: Titin



4.2.2 Score per residue for model 2

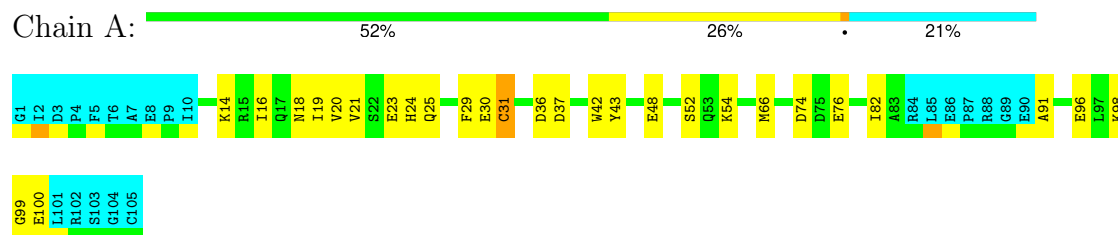
- Molecule 1: Titin





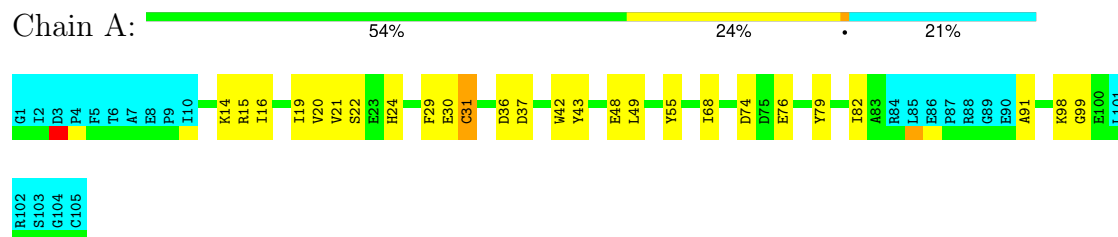
4.2.3 Score per residue for model 3

- Molecule 1: Titin



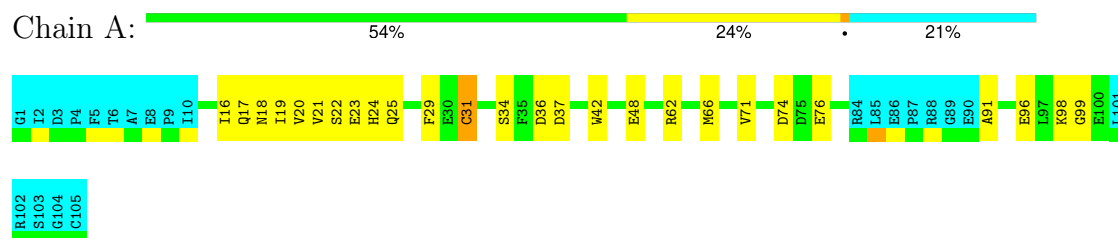
4.2.4 Score per residue for model 4

- Molecule 1: Titin



4.2.5 Score per residue for model 5

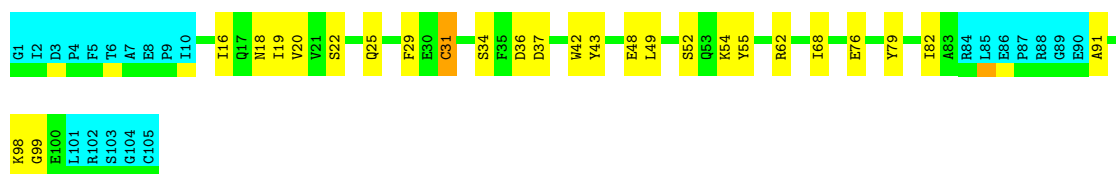
- Molecule 1: Titin



4.2.6 Score per residue for model 6

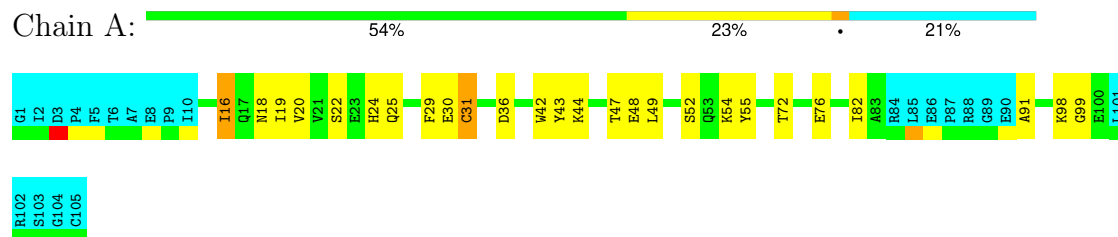
- Molecule 1: Titin





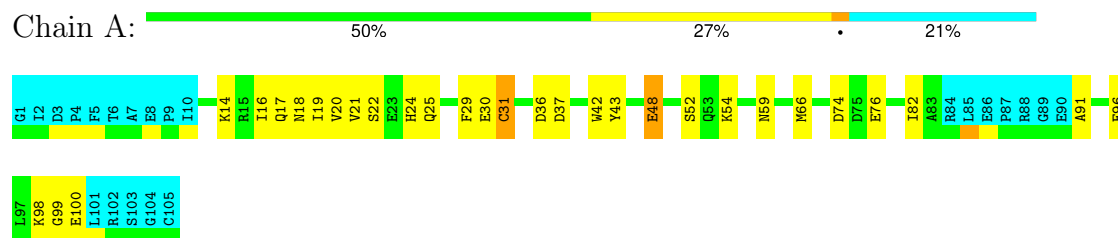
4.2.7 Score per residue for model 7

- Molecule 1: Titin



4.2.8 Score per residue for model 8

- Molecule 1: Titin



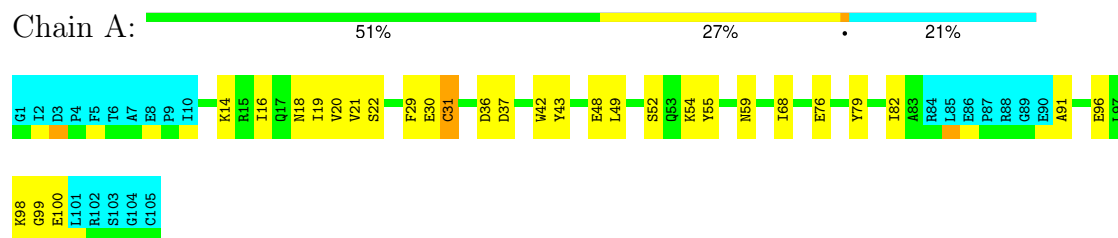
4.2.9 Score per residue for model 9

- Molecule 1: Titin



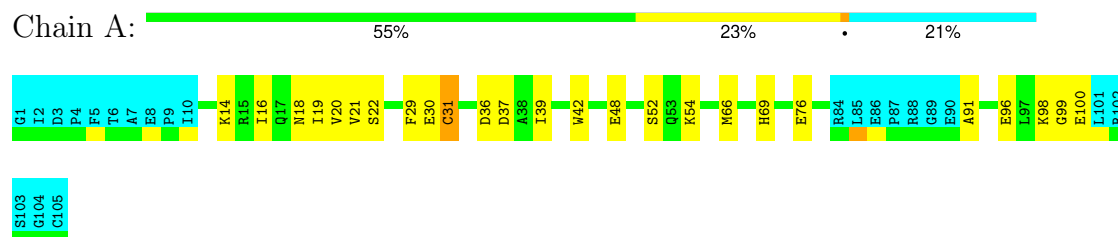
4.2.10 Score per residue for model 10

- Molecule 1: Titin



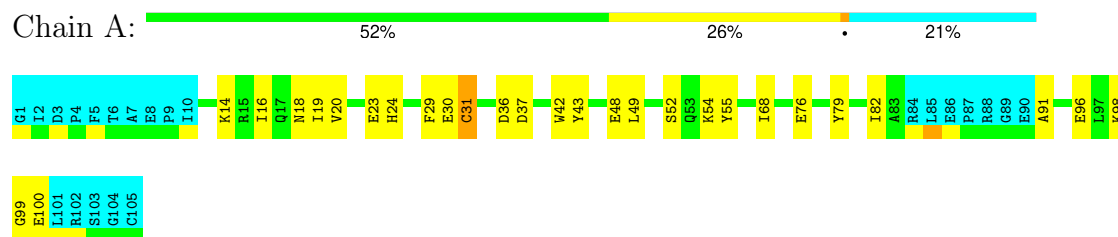
4.2.11 Score per residue for model 11

- Molecule 1: Titin



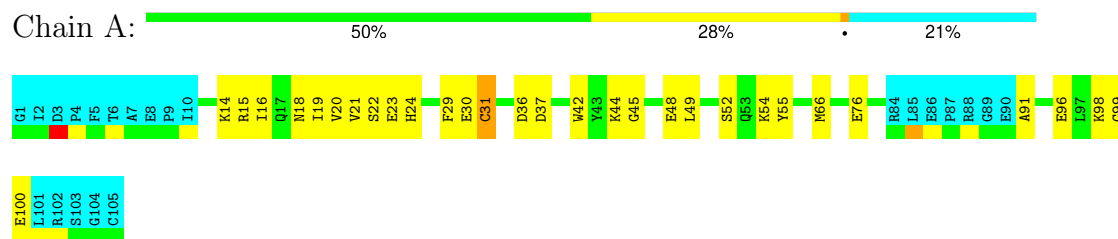
4.2.12 Score per residue for model 12

- Molecule 1: Titin



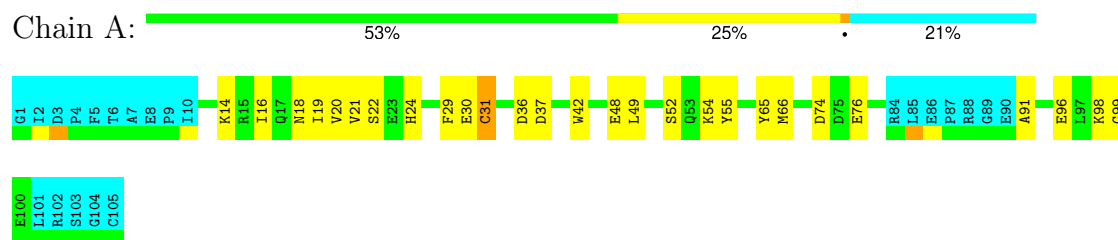
4.2.13 Score per residue for model 13

- Molecule 1: Titin



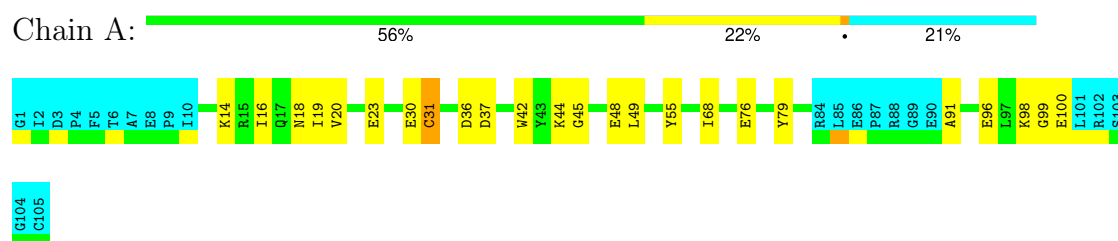
4.2.14 Score per residue for model 14 (medoid)

- Molecule 1: Titin



4.2.15 Score per residue for model 15

- Molecule 1: Titin



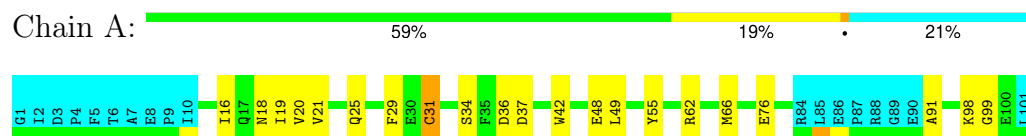
4.2.16 Score per residue for model 16

- Molecule 1: Titin



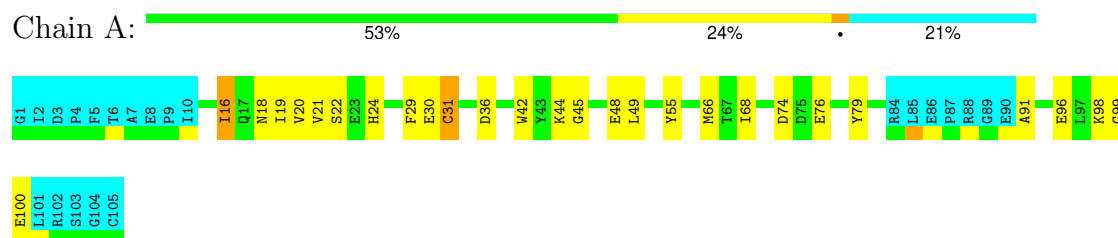
4.2.17 Score per residue for model 17

- Molecule 1: Titin



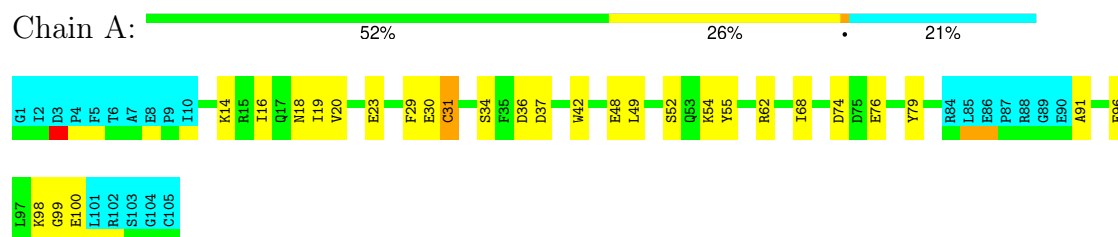
4.2.18 Score per residue for model 18

- Molecule 1: Titin



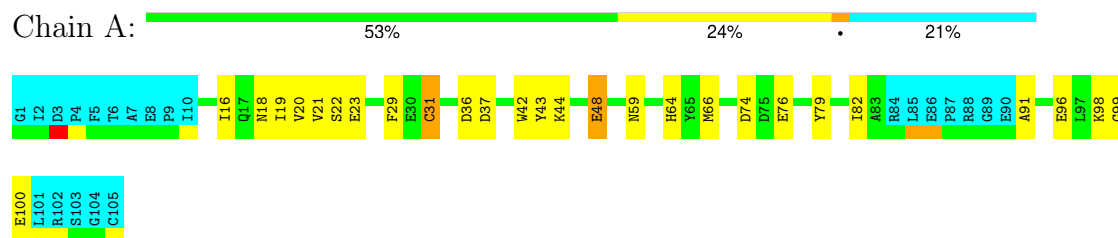
4.2.19 Score per residue for model 19

- Molecule 1: Titin



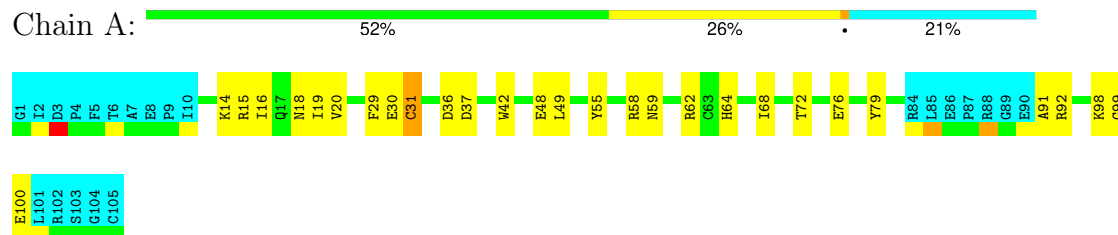
4.2.20 Score per residue for model 20

- Molecule 1: Titin



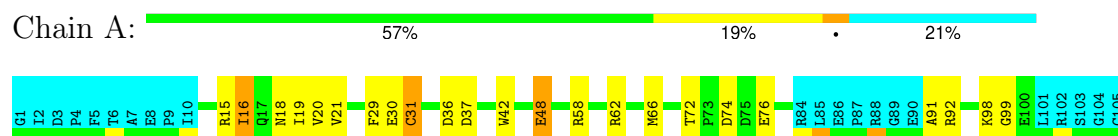
4.2.21 Score per residue for model 21

- Molecule 1: Titin



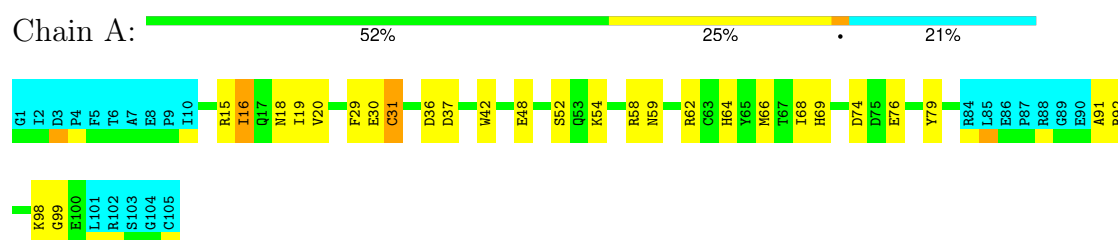
4.2.22 Score per residue for model 22

- Molecule 1: Titin



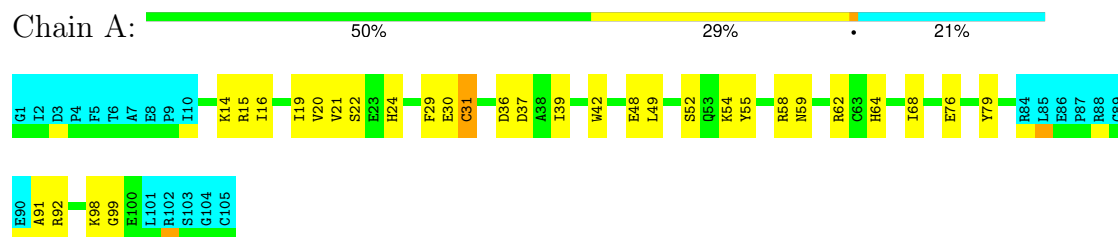
4.2.23 Score per residue for model 23

- Molecule 1: Titin



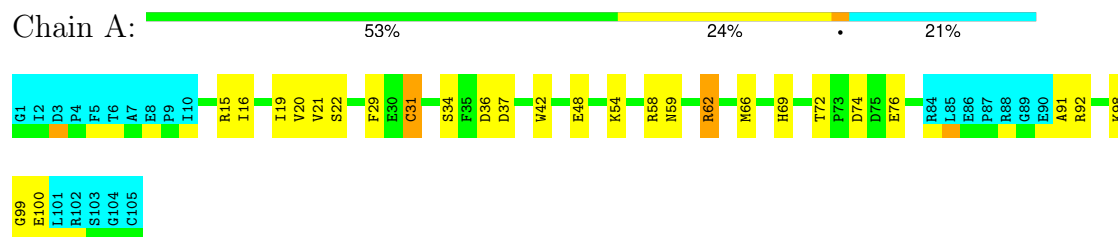
4.2.24 Score per residue for model 24

- Molecule 1: Titin



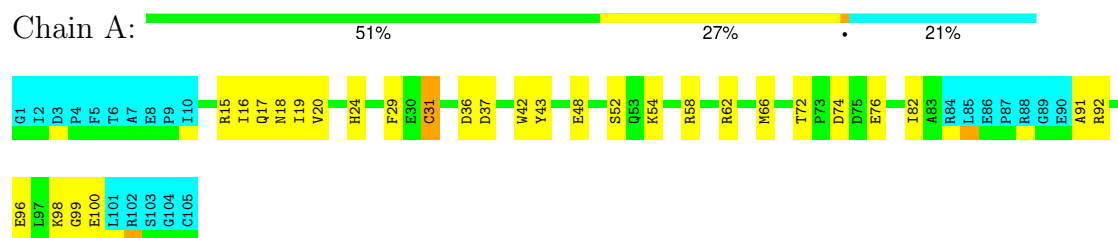
4.2.25 Score per residue for model 25

- Molecule 1: Titin



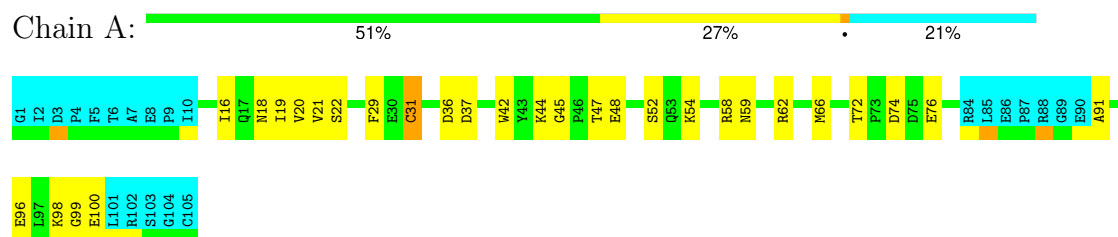
4.2.26 Score per residue for model 26

- Molecule 1: Titin



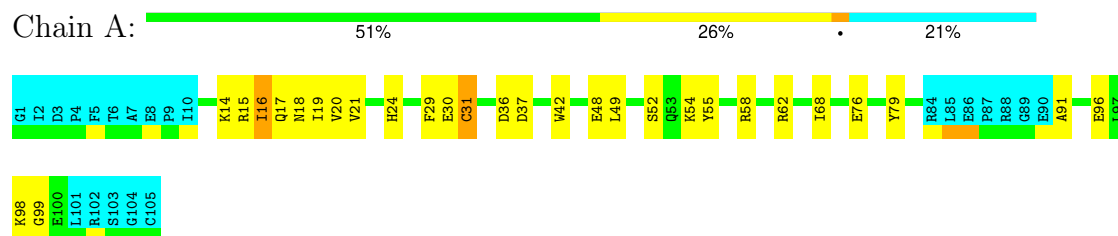
4.2.27 Score per residue for model 27

- Molecule 1: Titin



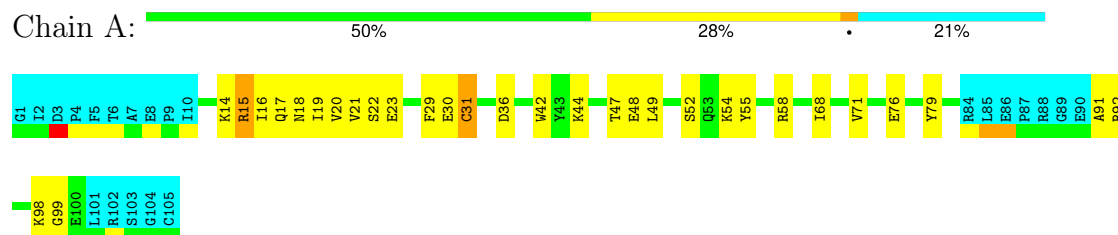
4.2.28 Score per residue for model 28

- Molecule 1: Titin



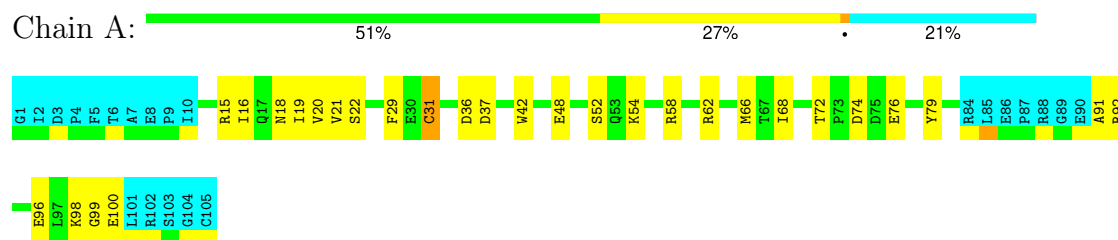
4.2.29 Score per residue for model 29

- Molecule 1: Titin



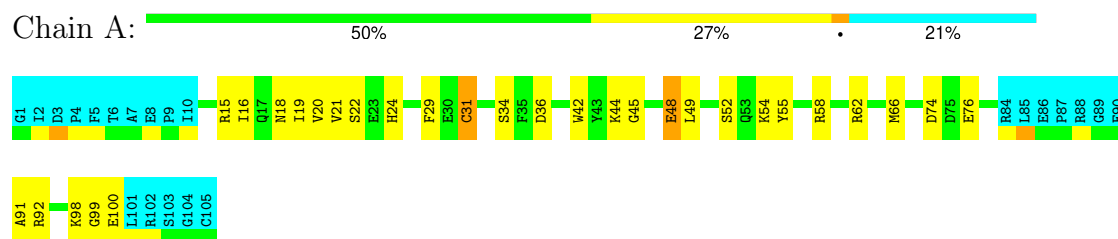
4.2.30 Score per residue for model 30

- Molecule 1: Titin



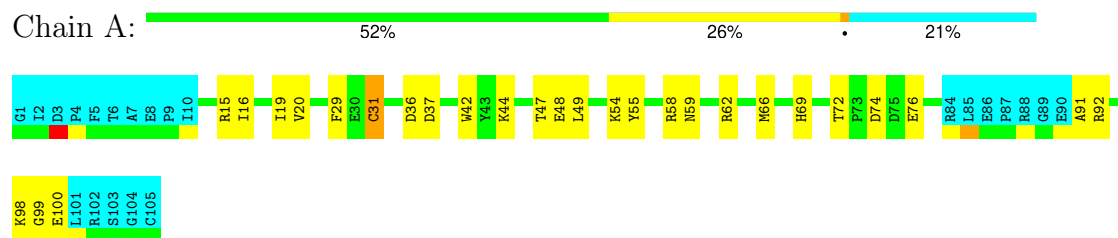
4.2.31 Score per residue for model 31

- Molecule 1: Titin



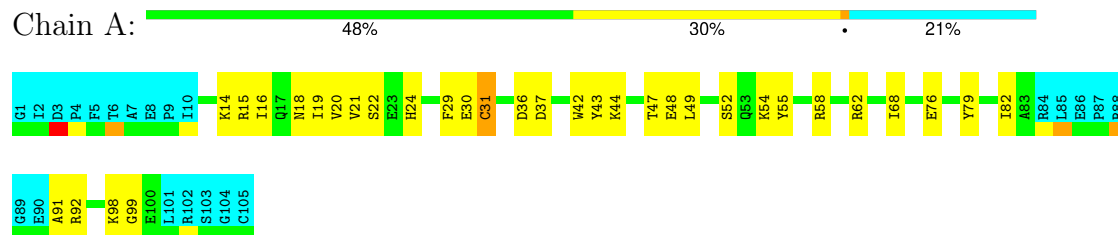
4.2.32 Score per residue for model 32

- Molecule 1: Titin



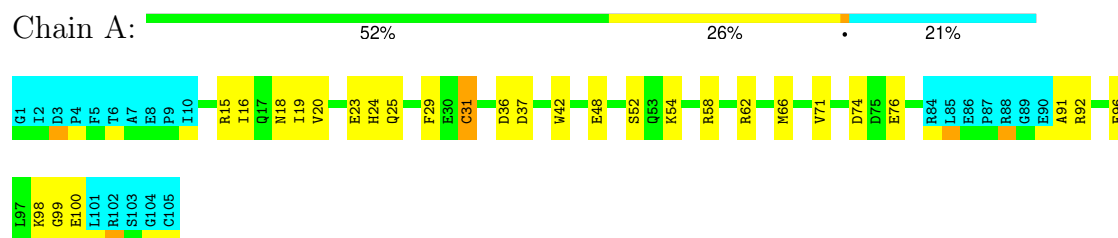
4.2.33 Score per residue for model 33

- Molecule 1: Titin



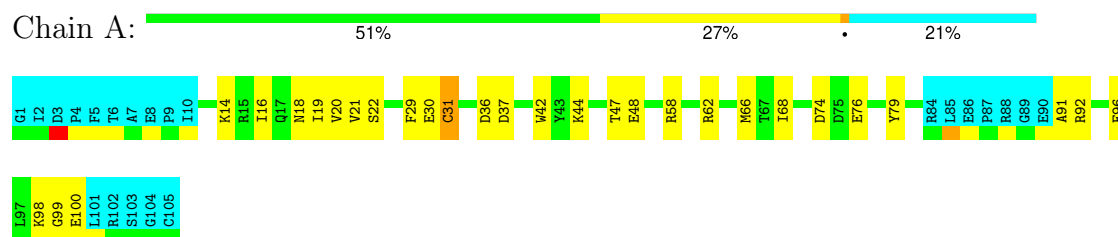
4.2.34 Score per residue for model 34

- Molecule 1: Titin



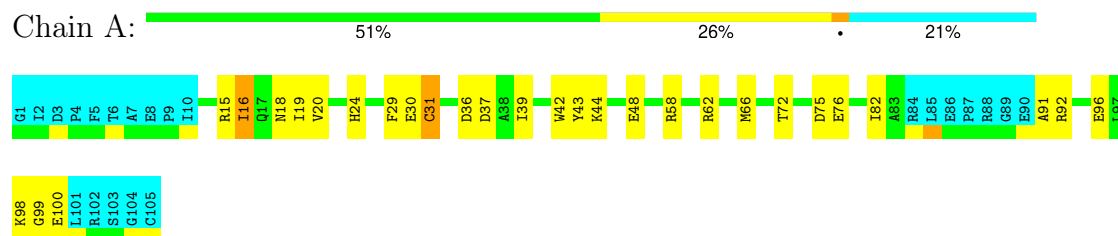
4.2.35 Score per residue for model 35

- Molecule 1: Titin



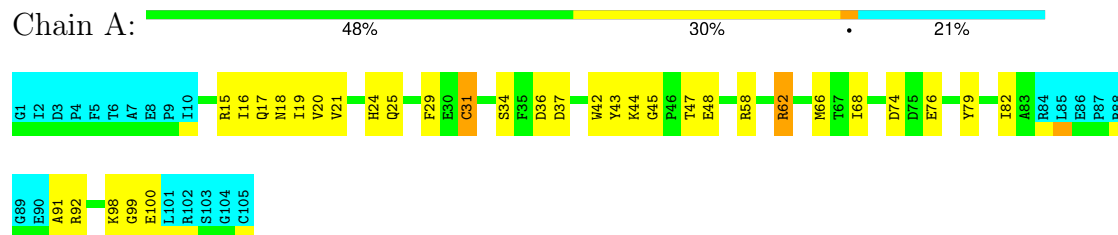
4.2.36 Score per residue for model 36

- Molecule 1: Titin



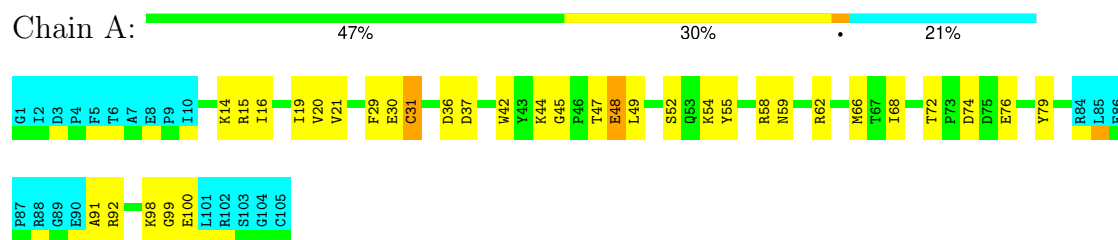
4.2.37 Score per residue for model 37

- Molecule 1: Titin



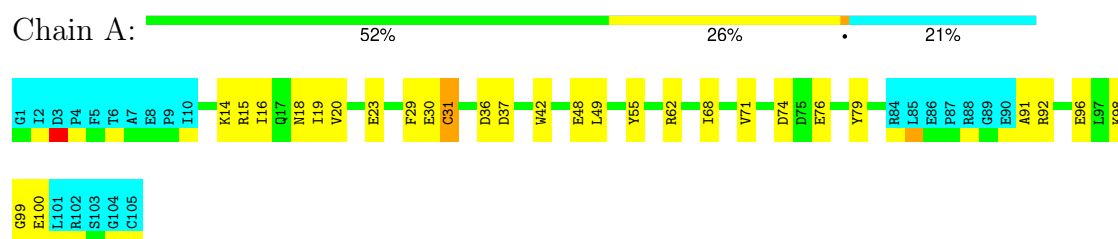
4.2.38 Score per residue for model 38

• Molecule 1: Titin



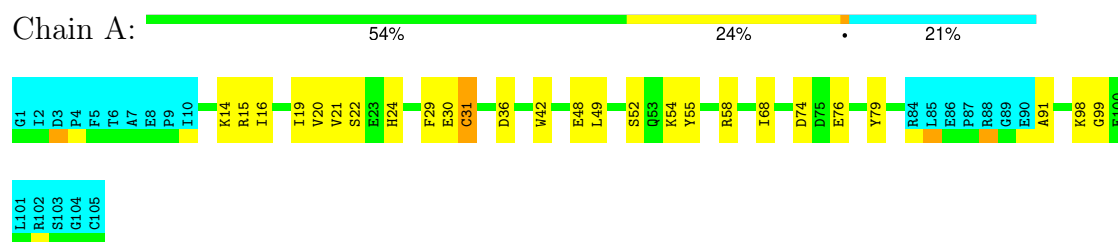
4.2.39 Score per residue for model 39

• Molecule 1: Titin



4.2.40 Score per residue for model 40

• Molecule 1: Titin



5 Refinement protocol and experimental data overview

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

Of the 400 calculated structures, 40 were deposited, based on the following criterion: *structures with the lowest energy*.

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

Software name	Classification	Version
ARIA	structure calculation	2.3.2
X-PLOR NIH	structure calculation	2.35

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	1270
Number of shifts mapped to atoms	1270
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	92%

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	0.73±0.01	0±0/683 (0.0± 0.0%)	0.88±0.01	0±0/927 (0.0± 0.0%)
All	All	0.73	0/27320 (0.0%)	0.88	1/37080 (0.0%)

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	1.8±1.9
All	All	0	71

There are no bond-length outliers.

All unique angle outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	65	TYR	CB-CG-CD2	-5.28	117.83	121.00	14	1

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	A	58	ARG	Sidechain	19
1	A	62	ARG	Sidechain	18
1	A	15	ARG	Sidechain	17
1	A	92	ARG	Sidechain	17

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	668	627	627	18±2
All	All	26720	25080	25080	722

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 14.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:42:TRP:CG	1:A:66:MET:SD	0.64	2.90	31	24
1:A:24:HIS:CE1	1:A:25:GLN:HE21	0.63	2.12	3	1
1:A:48:GLU:H	1:A:48:GLU:CD	0.62	1.97	1	40
1:A:39:ILE:HD12	1:A:39:ILE:N	0.61	2.10	11	4
1:A:43:TYR:CE1	1:A:82:ILE:HD12	0.60	2.31	26	12
1:A:24:HIS:CD2	1:A:25:GLN:HE21	0.60	2.14	37	4
1:A:14:LYS:HZ3	1:A:30:GLU:CD	0.58	2.01	15	19
1:A:16:ILE:HG22	1:A:30:GLU:O	0.58	1.99	28	7
1:A:42:TRP:CB	1:A:66:MET:SD	0.57	2.92	13	24
1:A:76:GLU:OE1	1:A:99:GLY:N	0.57	2.37	6	21
1:A:39:ILE:N	1:A:39:ILE:CD1	0.56	2.68	36	4
1:A:76:GLU:OE2	1:A:99:GLY:N	0.56	2.38	31	19
1:A:18:ASN:OD1	1:A:19:ILE:N	0.56	2.38	20	10
1:A:36:ASP:OD2	1:A:37:ASP:N	0.54	2.41	36	12
1:A:20:VAL:HG22	1:A:98:LYS:HB2	0.54	1.78	21	40
1:A:36:ASP:OD1	1:A:37:ASP:N	0.53	2.41	8	22
1:A:24:HIS:O	1:A:24:HIS:CG	0.53	2.61	7	6
1:A:34:SER:O	1:A:62:ARG:NH2	0.53	2.41	17	5
1:A:17:GLN:CD	1:A:17:GLN:N	0.53	2.62	8	1
1:A:34:SER:O	1:A:62:ARG:NH1	0.53	2.41	37	1
1:A:19:ILE:HD12	1:A:29:PHE:CE1	0.52	2.39	20	18
1:A:14:LYS:NZ	1:A:30:GLU:CD	0.52	2.63	15	20
1:A:18:ASN:OD1	1:A:96:GLU:O	0.52	2.28	19	11
1:A:31:CYS:SG	1:A:42:TRP:CZ2	0.52	3.03	26	40
1:A:31:CYS:SG	1:A:42:TRP:CH2	0.52	3.03	26	40
1:A:37:ASP:O	1:A:37:ASP:OD2	0.51	2.28	22	6
1:A:19:ILE:HD12	1:A:29:PHE:CE2	0.51	2.40	8	21

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:37:ASP:O	1:A:37:ASP:OD1	0.51	2.29	13	3
1:A:49:LEU:HD22	1:A:55:TYR:CZ	0.50	2.42	15	19
1:A:36:ASP:N	1:A:36:ASP:OD1	0.50	2.45	1	1
1:A:17:GLN:CG	1:A:18:ASN:N	0.49	2.76	28	5
1:A:52:SER:C	1:A:54:LYS:N	0.49	2.65	19	25
1:A:54:LYS:NZ	1:A:69:HIS:O	0.49	2.43	25	5
1:A:36:ASP:O	1:A:36:ASP:OD1	0.49	2.31	7	1
1:A:44:LYS:HZ1	1:A:75:ASP:HA	0.49	1.68	36	1
1:A:36:ASP:N	1:A:36:ASP:OD2	0.48	2.44	18	2
1:A:18:ASN:O	1:A:18:ASN:OD1	0.48	2.32	7	5
1:A:68:ILE:HD11	1:A:79:TYR:CE1	0.47	2.44	21	10
1:A:23:GLU:OE1	1:A:23:GLU:N	0.47	2.42	3	1
1:A:48:GLU:CD	1:A:48:GLU:N	0.47	2.68	20	37
1:A:59:ASN:O	1:A:59:ASN:OD1	0.47	2.33	27	6
1:A:14:LYS:HZ2	1:A:30:GLU:CD	0.47	2.13	11	1
1:A:36:ASP:O	1:A:36:ASP:OD2	0.47	2.33	31	1
1:A:18:ASN:OD1	1:A:18:ASN:O	0.46	2.34	22	1
1:A:68:ILE:HD11	1:A:79:TYR:CE2	0.46	2.45	24	12
1:A:17:GLN:HG2	1:A:18:ASN:N	0.46	2.26	26	5
1:A:23:GLU:O	1:A:71:VAL:O	0.46	2.34	39	4
1:A:18:ASN:OD1	1:A:96:GLU:N	0.46	2.47	39	10
1:A:36:ASP:OD2	1:A:36:ASP:N	0.45	2.48	29	9
1:A:74:ASP:O	1:A:74:ASP:OD1	0.45	2.35	18	5
1:A:21:VAL:HG12	1:A:22:SER:O	0.45	2.12	10	20
1:A:44:LYS:O	1:A:47:THR:O	0.45	2.35	37	9
1:A:44:LYS:O	1:A:45:GLY:C	0.45	2.55	37	8
1:A:22:SER:OG	1:A:25:GLN:CG	0.44	2.65	7	2
1:A:58:ARG:NE	1:A:60:ASP:OD2	0.44	2.50	16	1
1:A:58:ARG:CZ	1:A:60:ASP:OD2	0.44	2.65	16	1
1:A:24:HIS:O	1:A:24:HIS:ND1	0.44	2.51	28	3
1:A:18:ASN:ND2	1:A:18:ASN:N	0.44	2.64	17	3
1:A:44:LYS:NZ	1:A:79:TYR:CE1	0.44	2.84	20	1
1:A:68:ILE:CD1	1:A:79:TYR:CE1	0.43	3.01	15	6
1:A:49:LEU:HD22	1:A:55:TYR:CE2	0.43	2.48	31	3
1:A:14:LYS:HZ3	1:A:30:GLU:CG	0.43	2.27	4	6
1:A:33:VAL:HG23	1:A:35:PHE:O	0.43	2.14	2	1
1:A:74:ASP:O	1:A:74:ASP:OD2	0.43	2.37	30	11
1:A:59:ASN:CG	1:A:64:HIS:HD1	0.42	2.17	21	5
1:A:36:ASP:OD1	1:A:36:ASP:N	0.41	2.50	37	6
1:A:19:ILE:HG22	1:A:21:VAL:HG23	0.41	1.92	14	18
1:A:43:TYR:CE2	1:A:82:ILE:HD12	0.41	2.50	4	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:74:ASP:OD2	1:A:74:ASP:O	0.41	2.39	22	5
1:A:68:ILE:CD1	1:A:79:TYR:CE2	0.41	3.03	35	4
1:A:74:ASP:OD1	1:A:74:ASP:O	0.41	2.38	35	1
1:A:18:ASN:N	1:A:18:ASN:ND2	0.41	2.67	1	1
1:A:58:ARG:NE	1:A:60:ASP:OD1	0.41	2.51	9	1
1:A:49:LEU:HD22	1:A:55:TYR:CE1	0.40	2.51	32	1
1:A:24:HIS:ND1	1:A:24:HIS:O	0.40	2.55	40	1

6.3 Torsion angles [i](#)

6.3.1 Protein backbone [i](#)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	83/105 (79%)	77±1 (92±1%)	5±1 (6±1%)	1±0 (1±0%)	12	59
All	All	3320/4200 (79%)	3061 (92%)	212 (6%)	47 (1%)	12	59

All 3 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	16	ILE	40
1	A	15	ARG	5
1	A	25	GLN	2

6.3.2 Protein sidechains [i](#)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	74/92 (80%)	73±1 (98±1%)	1±1 (2±1%)	52	92
All	All	2960/3680 (80%)	2905 (98%)	55 (2%)	52	92

All 3 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	31	CYS	40
1	A	72	THR	10
1	A	48	GLU	5

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 92% for the well-defined parts and 90% for the entire structure.

7.1 Chemical shift list 1

File name: `working_cs.cif`

Chemical shift list name: *starch_output*

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	1270
Number of shifts mapped to atoms	1270
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	103	0.13 ± 0.14	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	97	-0.12 ± 0.25	None needed (< 0.5 ppm)
$^{13}\text{C}'$	96	0.04 ± 0.11	None needed (< 0.5 ppm)
^{15}N	97	0.11 ± 0.20	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 92%, i.e. 1018 atoms were assigned a chemical shift out of a possible 1109. 0 out of 9 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	407/415 (98%)	167/168 (99%)	160/166 (96%)	80/81 (99%)
Sidechain	525/585 (90%)	354/376 (94%)	164/185 (89%)	7/24 (29%)

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	Total	¹H	¹³C	¹⁵N
Aromatic	86/109 (79%)	45/54 (83%)	40/51 (78%)	1/4 (25%)
Overall	1018/1109 (92%)	566/598 (95%)	364/402 (91%)	88/109 (81%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 90%, i.e. 1269 atoms were assigned a chemical shift out of a possible 1403. 0 out of 11 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	505/522 (97%)	209/212 (99%)	199/210 (95%)	97/100 (97%)
Sidechain	670/762 (88%)	452/490 (92%)	209/239 (87%)	9/33 (27%)
Aromatic	94/119 (79%)	49/59 (83%)	44/56 (79%)	1/4 (25%)
Overall	1269/1403 (90%)	710/761 (93%)	452/505 (90%)	107/137 (78%)

7.1.4 Statistically unusual chemical shifts [i](#)

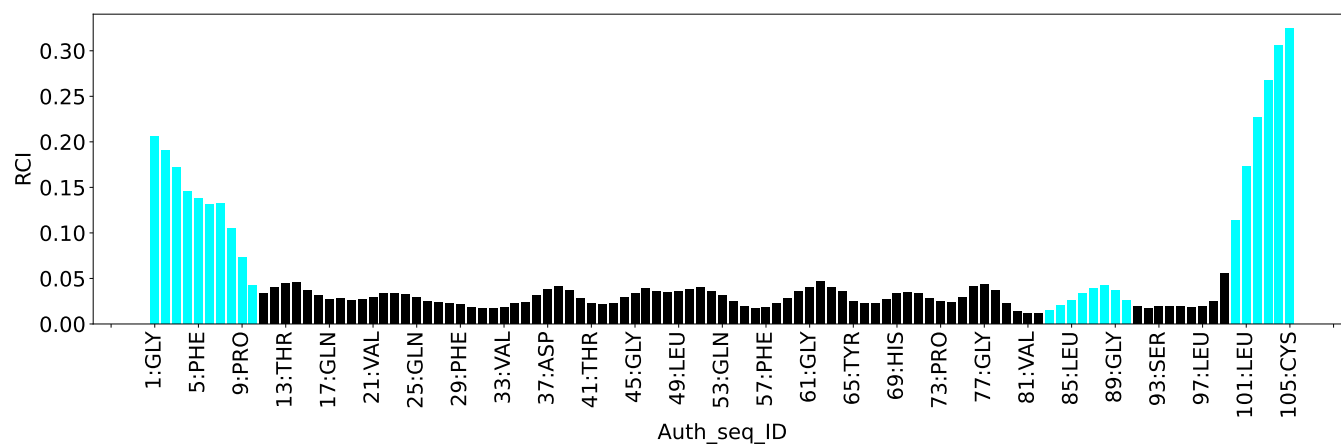
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	66	MET	HB3	-0.28	0.33 – 3.66	-6.8

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	6441
Intra-residue ($ i-j =0$)	3178
Sequential ($ i-j =1$)	1234
Medium range ($ i-j >1$ and $ i-j <5$)	314
Long range ($ i-j \geq 5$)	1715
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	189
Number of unmapped restraints	0
Number of restraints per residue	63.1
Number of long range restraints per residue ¹	16.3

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)	408.0	0.2
0.2-0.5 (Medium)	164.3	0.5
>0.5 (Large)	7.2	3.29

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	23.4	6.1
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis ⓘ

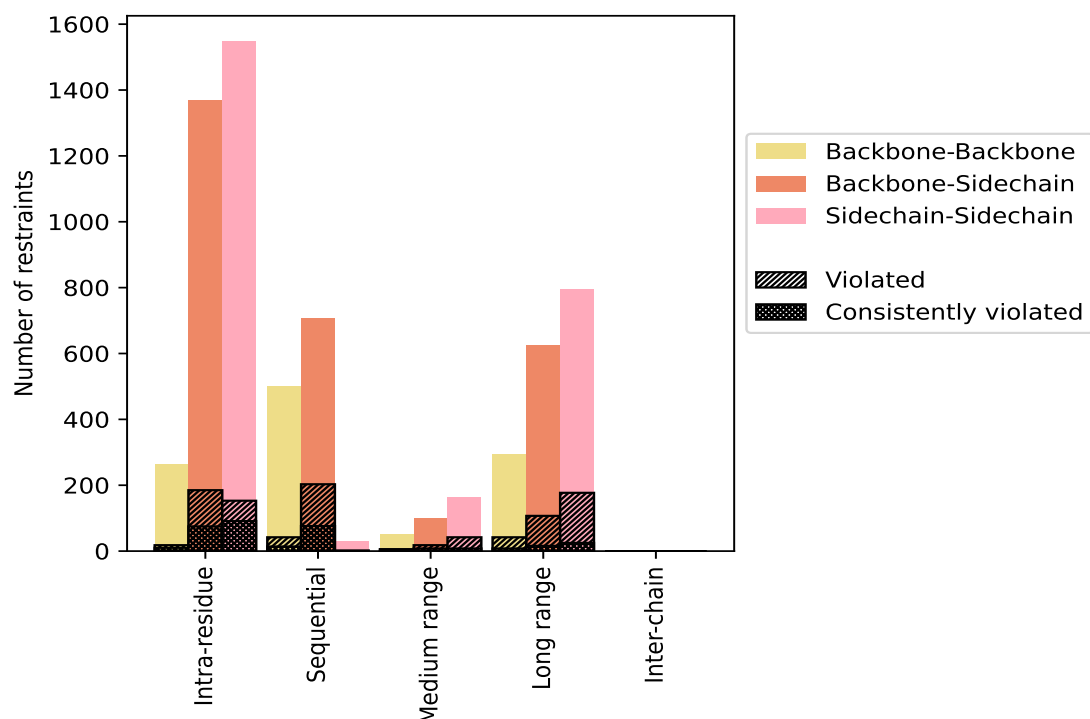
9.1 Summary of distance violations ⓘ

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

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue (i-j =0)	3178	49.3	356	11.2	5.5	176	5.5	2.7
Backbone-Backbone	262	4.1	18	6.9	0.3	10	3.8	0.2
Backbone-Sidechain	1368	21.2	185	13.5	2.9	75	5.5	1.2
Sidechain-Sidechain	1548	24.0	153	9.9	2.4	91	5.9	1.4
Sequential (i-j =1)	1234	19.2	247	20.0	3.8	90	7.3	1.4
Backbone-Backbone	499	7.7	42	8.4	0.7	14	2.8	0.2
Backbone-Sidechain	707	11.0	203	28.7	3.2	76	10.7	1.2
Sidechain-Sidechain	28	0.4	2	7.1	0.0	0	0.0	0.0
Medium range (i-j >1 & i-j <5)	314	4.9	66	21.0	1.0	17	5.4	0.3
Backbone-Backbone	50	0.8	6	12.0	0.1	1	2.0	0.0
Backbone-Sidechain	100	1.6	18	18.0	0.3	8	8.0	0.1
Sidechain-Sidechain	164	2.5	42	25.6	0.7	8	4.9	0.1
Long range (i-j ≥5)	1715	26.6	326	19.0	5.1	49	2.9	0.8
Backbone-Backbone	295	4.6	42	14.2	0.7	8	2.7	0.1
Backbone-Sidechain	626	9.7	107	17.1	1.7	16	2.6	0.2
Sidechain-Sidechain	794	12.3	177	22.3	2.7	25	3.1	0.4
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	6441	100.0	995	15.4	15.4	332	5.2	5.2
Backbone-Backbone	1106	17.2	108	9.8	1.7	33	3.0	0.5
Backbone-Sidechain	2801	43.5	513	18.3	8.0	175	6.2	2.7
Sidechain-Sidechain	2534	39.3	374	14.8	5.8	124	4.9	1.9

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	239	163	38	163	0	603	0.21	3.23	0.23	0.17
2	245	158	37	146	0	586	0.21	3.2	0.25	0.17
3	237	168	41	164	0	610	0.19	3.27	0.19	0.17
4	245	168	38	165	0	616	0.2	3.22	0.22	0.16
5	247	160	36	171	0	614	0.2	3.23	0.22	0.17
6	255	166	35	156	0	612	0.2	3.24	0.23	0.17
7	247	159	39	154	0	599	0.2	3.24	0.23	0.17
8	245	172	38	154	0	609	0.2	3.22	0.22	0.17
9	241	152	37	154	0	584	0.2	3.26	0.25	0.17
10	249	162	43	158	0	612	0.2	3.24	0.23	0.16

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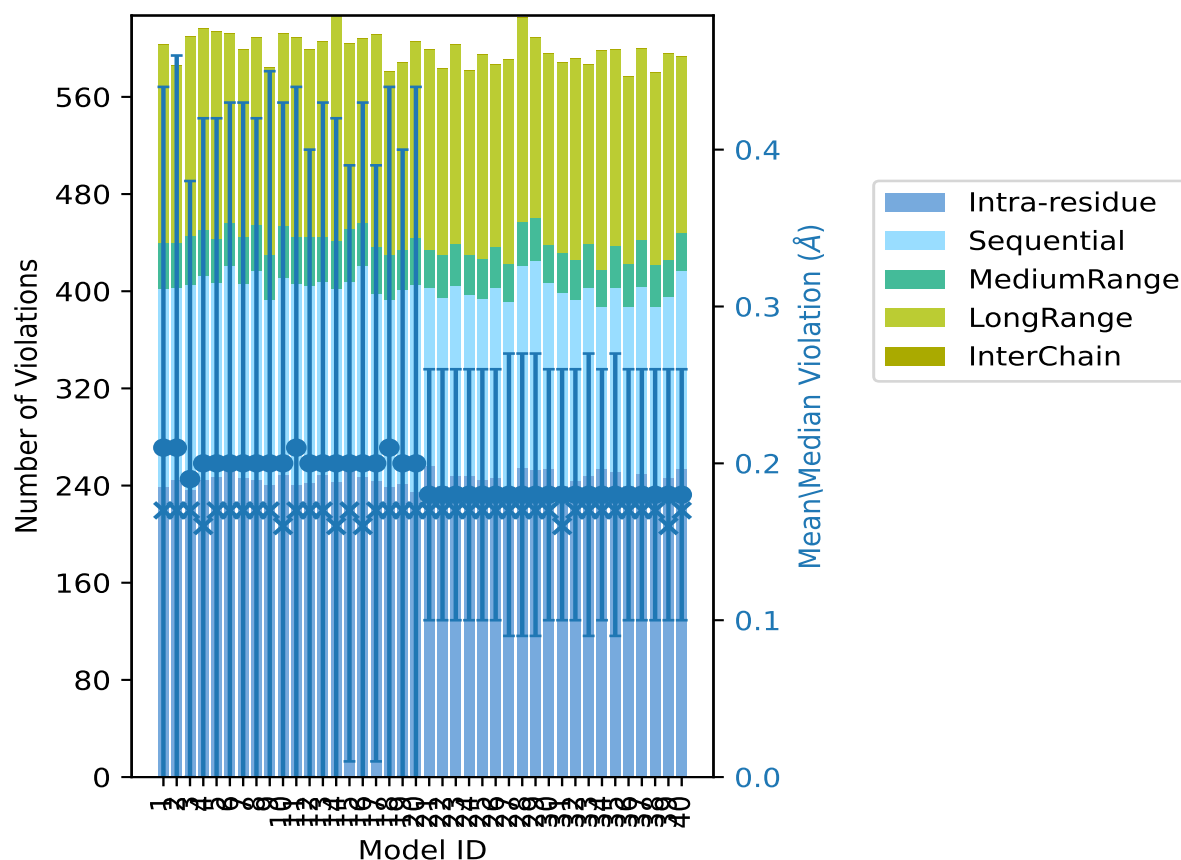
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	241	165	39	164	0	609	0.21	3.26	0.23	0.17
12	242	162	41	154	0	599	0.2	3.26	0.2	0.17
13	249	159	37	161	0	606	0.2	3.26	0.23	0.17
14	243	159	39	186	0	627	0.2	3.24	0.22	0.16
15	255	153	43	153	0	604	0.2	3.24	0.19	0.17
16	247	174	35	152	0	608	0.2	3.29	0.23	0.16
17	244	154	39	174	0	611	0.2	3.24	0.19	0.17
18	239	154	37	151	0	581	0.21	3.27	0.23	0.17
19	242	159	33	154	0	588	0.2	3.27	0.2	0.17
20	235	170	39	162	0	606	0.2	3.23	0.24	0.17
21	256	147	31	165	0	599	0.18	1.46	0.08	0.17
22	240	155	35	153	0	583	0.18	1.53	0.08	0.17
23	248	157	34	164	0	603	0.18	1.56	0.08	0.17
24	248	149	33	152	0	582	0.18	1.46	0.08	0.17
25	245	149	33	168	0	595	0.18	1.49	0.08	0.17
26	246	157	34	150	0	587	0.18	1.53	0.08	0.17
27	238	153	32	168	0	591	0.18	1.51	0.09	0.17
28	255	166	36	168	0	625	0.18	1.52	0.09	0.17
29	253	172	35	149	0	609	0.18	1.61	0.09	0.17
30	254	153	31	158	0	596	0.18	1.5	0.08	0.17
31	240	159	33	156	0	588	0.18	1.53	0.08	0.16
32	244	149	33	166	0	592	0.18	1.47	0.08	0.17
33	248	155	36	148	0	587	0.18	1.57	0.09	0.17
34	254	133	31	180	0	598	0.18	1.49	0.08	0.17
35	251	152	34	162	0	599	0.18	1.54	0.09	0.17
36	240	147	36	154	0	577	0.18	1.53	0.08	0.17
37	250	154	38	158	0	600	0.18	1.55	0.08	0.17
38	238	149	35	158	0	580	0.18	1.48	0.08	0.17
39	246	149	31	170	0	596	0.18	1.49	0.08	0.16
40	254	163	31	145	0	593	0.18	1.51	0.08	0.17

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

⁵Inter-chain restraints, ⁶Standard deviation

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



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

9.3 Distance violation statistics for the ensemble [i](#)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 5446(IR:2822, SQ:987, MR:248, LR:1389, 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	%
26	23	4	42	0	95	1	2.5
18	8	4	21	0	51	2	5.0
10	6	2	8	0	26	3	7.5
6	14	3	8	0	31	4	10.0
8	4	2	18	0	32	5	12.5
10	4	2	11	0	27	6	15.0

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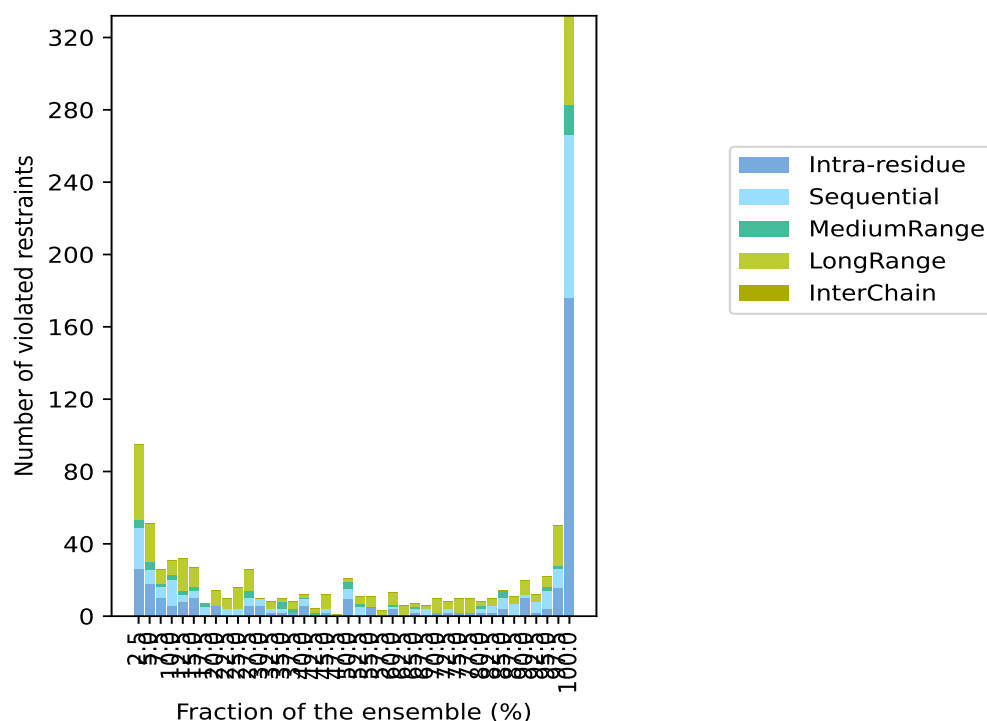
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Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
1	4	2	0	0	7	7	17.5
6	0	0	8	0	14	8	20.0
0	4	0	6	0	10	9	22.5
0	4	0	12	0	16	10	25.0
6	4	4	12	0	26	11	27.5
6	4	0	0	0	10	12	30.0
2	2	0	4	0	8	13	32.5
2	2	4	2	0	10	14	35.0
2	0	2	4	0	8	15	37.5
6	4	0	2	0	12	16	40.0
0	0	2	2	0	4	17	42.5
2	2	0	8	0	12	18	45.0
0	1	0	0	0	1	19	47.5
10	5	4	2	0	21	20	50.0
0	5	2	4	0	11	21	52.5
5	0	0	6	0	11	22	55.0
0	1	0	2	0	3	23	57.5
4	1	1	7	0	13	24	60.0
0	0	0	6	0	6	25	62.5
2	2	1	2	0	7	26	65.0
0	4	0	2	0	6	27	67.5
2	0	0	8	0	10	28	70.0
2	2	0	4	0	8	29	72.5
2	0	0	8	0	10	30	75.0
2	0	0	8	0	10	31	77.5
2	2	2	2	0	8	32	80.0
2	4	0	4	0	10	33	82.5
4	6	4	0	0	14	34	85.0
0	7	0	4	0	11	35	87.5
10	2	0	8	0	20	36	90.0
2	6	0	4	0	12	37	92.5
4	10	2	6	0	22	38	95.0
16	10	2	22	0	50	39	97.5
176	90	17	49	0	332	40	100.0

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

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

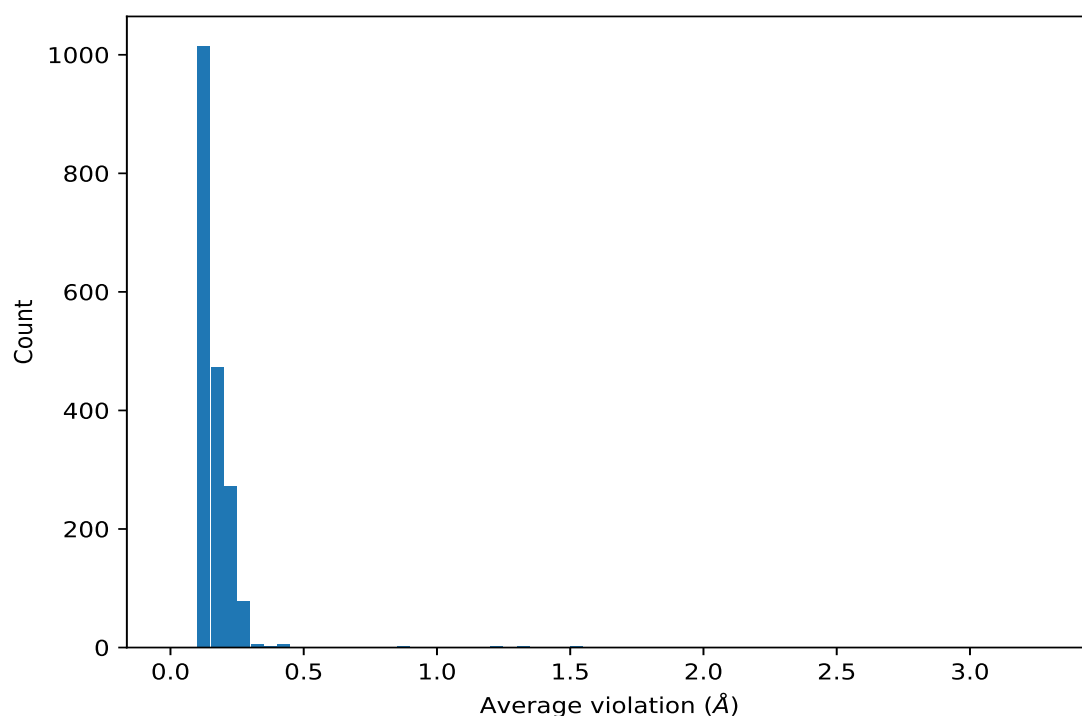
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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)
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	40	1.52	0.03	1.52
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	40	1.52	0.03	1.52
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	40	1.52	0.03	1.52
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	40	0.87	0.1	0.88
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	40	0.87	0.1	0.88
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	40	0.87	0.1	0.88
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	40	0.51	0.04	0.52
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	40	0.41	0.02	0.41
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	40	0.41	0.02	0.41
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	40	0.41	0.02	0.41
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	40	0.39	0.05	0.39
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	40	0.39	0.06	0.4
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	40	0.32	0.03	0.32
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	40	0.32	0.03	0.32
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	40	0.32	0.03	0.32
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	40	0.3	0.02	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	40	0.3	0.02	0.3
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	40	0.29	0.06	0.31
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	40	0.29	0.0	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	40	0.29	0.0	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	40	0.29	0.0	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	40	0.29	0.0	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	40	0.29	0.0	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	40	0.29	0.0	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	40	0.29	0.0	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	40	0.29	0.0	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	40	0.29	0.0	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	40	0.29	0.0	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	40	0.28	0.01	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	40	0.28	0.01	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	40	0.28	0.01	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	40	0.28	0.01	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	40	0.28	0.01	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	40	0.28	0.01	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	40	0.28	0.01	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	40	0.28	0.01	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	40	0.28	0.01	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	40	0.28	0.01	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	40	0.28	0.01	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	40	0.28	0.01	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	40	0.28	0.0	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	40	0.28	0.0	0.28
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	40	0.28	0.02	0.28
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	40	0.28	0.02	0.28
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	40	0.27	0.1	0.29
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	40	0.27	0.1	0.29
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	40	0.27	0.1	0.29
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	40	0.26	0.0	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	40	0.26	0.0	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	40	0.26	0.0	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	40	0.26	0.0	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	40	0.26	0.0	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	40	0.26	0.0	0.26
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	40	0.26	0.04	0.25
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	40	0.26	0.04	0.25
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	40	0.26	0.04	0.25
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	40	0.26	0.04	0.25
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	40	0.26	0.01	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	40	0.26	0.01	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	40	0.26	0.01	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	40	0.26	0.01	0.26
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	40	0.25	0.01	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	40	0.25	0.01	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	40	0.25	0.01	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	40	0.25	0.01	0.25
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	40	0.25	0.02	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	40	0.25	0.02	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	40	0.25	0.02	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	40	0.25	0.02	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	40	0.25	0.02	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	40	0.25	0.02	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	40	0.25	0.02	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	40	0.25	0.02	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	40	0.25	0.02	0.26
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	40	0.25	0.0	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	40	0.25	0.0	0.25
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	40	0.25	0.02	0.24
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	40	0.25	0.02	0.24
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	40	0.24	0.06	0.25
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	40	0.24	0.06	0.25
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	40	0.24	0.01	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	40	0.24	0.01	0.24
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	40	0.24	0.02	0.24
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	40	0.24	0.02	0.24
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	40	0.24	0.02	0.24
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	40	0.24	0.02	0.24
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	40	0.24	0.02	0.24
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	40	0.24	0.02	0.24
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	40	0.24	0.02	0.24
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	40	0.24	0.02	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	40	0.24	0.0	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	40	0.24	0.0	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	40	0.24	0.01	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	40	0.24	0.01	0.24
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	40	0.24	0.01	0.24
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	40	0.24	0.01	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	40	0.24	0.01	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	40	0.24	0.01	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	40	0.24	0.01	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	40	0.24	0.01	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	40	0.24	0.01	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	40	0.24	0.01	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	40	0.24	0.01	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	40	0.24	0.01	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	40	0.24	0.01	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	40	0.24	0.01	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	40	0.24	0.01	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	40	0.24	0.01	0.24
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	40	0.23	0.01	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	40	0.23	0.01	0.23
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	40	0.23	0.03	0.23
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	40	0.23	0.03	0.23
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	40	0.23	0.03	0.23
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	40	0.23	0.03	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	40	0.23	0.0	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	40	0.23	0.0	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	40	0.23	0.02	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	40	0.23	0.02	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	40	0.23	0.02	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	40	0.23	0.02	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	40	0.23	0.02	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	40	0.23	0.02	0.24
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	40	0.23	0.01	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	40	0.23	0.01	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	40	0.23	0.0	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	40	0.23	0.0	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	40	0.23	0.0	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	40	0.23	0.0	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	40	0.23	0.01	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	40	0.23	0.01	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	40	0.22	0.02	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	40	0.22	0.02	0.23
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	40	0.22	0.0	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	40	0.22	0.0	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	40	0.22	0.0	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	40	0.22	0.0	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	40	0.22	0.0	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	40	0.22	0.0	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	40	0.22	0.01	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	40	0.22	0.01	0.22
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	40	0.22	0.02	0.22
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	40	0.22	0.02	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	40	0.22	0.02	0.22
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	40	0.22	0.02	0.22
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	40	0.22	0.02	0.22
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	40	0.22	0.02	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	40	0.22	0.01	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	40	0.22	0.01	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	40	0.22	0.0	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	40	0.22	0.0	0.22
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	40	0.22	0.02	0.23
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	40	0.22	0.02	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	40	0.22	0.01	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	40	0.22	0.01	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	40	0.22	0.01	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	40	0.22	0.01	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	40	0.22	0.01	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	40	0.22	0.01	0.22
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	40	0.21	0.0	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	40	0.21	0.0	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	40	0.21	0.0	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	40	0.21	0.0	0.21
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	40	0.21	0.04	0.22
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	40	0.21	0.04	0.22
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	40	0.21	0.03	0.21
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	40	0.21	0.03	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	40	0.21	0.01	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	40	0.21	0.01	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	40	0.21	0.01	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	40	0.21	0.01	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	40	0.21	0.01	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	40	0.21	0.01	0.21
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	40	0.21	0.01	0.21
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	40	0.21	0.01	0.21
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	40	0.21	0.01	0.21
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	40	0.21	0.01	0.21
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	40	0.21	0.01	0.21
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	40	0.21	0.01	0.21
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	40	0.21	0.04	0.2
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	40	0.21	0.04	0.2
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	40	0.21	0.04	0.2
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	40	0.21	0.04	0.2
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	40	0.21	0.04	0.2
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	40	0.21	0.04	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	40	0.21	0.02	0.21
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	40	0.21	0.02	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	40	0.21	0.0	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	40	0.21	0.0	0.21
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	40	0.21	0.03	0.21
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	40	0.21	0.03	0.21
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	40	0.21	0.03	0.21
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	40	0.21	0.03	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	40	0.21	0.01	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	40	0.21	0.01	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	40	0.21	0.01	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	40	0.21	0.01	0.21
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	40	0.2	0.02	0.2
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	40	0.2	0.02	0.2
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	40	0.2	0.01	0.2
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	40	0.2	0.01	0.2
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	40	0.2	0.02	0.2
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	40	0.2	0.02	0.2
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	40	0.2	0.03	0.19
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	40	0.2	0.0	0.2
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	40	0.2	0.03	0.19
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	40	0.2	0.0	0.2
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	40	0.2	0.03	0.2
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	40	0.2	0.03	0.2
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	40	0.2	0.03	0.19
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	40	0.2	0.03	0.19
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	40	0.2	0.02	0.2
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	40	0.2	0.02	0.2
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	40	0.2	0.02	0.2
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	40	0.2	0.02	0.2
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	40	0.2	0.02	0.2
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	40	0.2	0.02	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	40	0.2	0.01	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	40	0.2	0.01	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	40	0.2	0.01	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	40	0.2	0.01	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	40	0.2	0.01	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	40	0.2	0.01	0.2
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	40	0.2	0.02	0.2
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	40	0.2	0.02	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	40	0.2	0.0	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	40	0.2	0.0	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	40	0.2	0.02	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	40	0.2	0.02	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	40	0.2	0.02	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	40	0.2	0.02	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	40	0.2	0.02	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	40	0.2	0.02	0.2
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	40	0.2	0.02	0.19
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	40	0.2	0.0	0.2
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	40	0.2	0.02	0.19
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	40	0.2	0.0	0.2
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	40	0.2	0.02	0.2
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	40	0.2	0.02	0.2
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	40	0.2	0.02	0.2
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	40	0.2	0.02	0.2
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	40	0.2	0.02	0.2
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	40	0.2	0.02	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	40	0.2	0.03	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	40	0.2	0.03	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	40	0.2	0.03	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	40	0.2	0.03	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	40	0.2	0.03	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	40	0.2	0.03	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	40	0.19	0.01	0.19
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	40	0.19	0.02	0.19
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	40	0.19	0.02	0.19
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	40	0.19	0.02	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	40	0.19	0.01	0.19
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	40	0.19	0.02	0.19
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	40	0.19	0.02	0.19
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	40	0.19	0.02	0.19
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	40	0.19	0.03	0.19
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	40	0.19	0.03	0.19
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	40	0.19	0.03	0.19
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	40	0.19	0.03	0.19
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	40	0.19	0.03	0.19
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	40	0.19	0.03	0.19
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	40	0.19	0.04	0.19
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	40	0.19	0.04	0.19
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	40	0.19	0.04	0.19
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	40	0.19	0.04	0.19
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	40	0.19	0.04	0.19
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	40	0.19	0.04	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	40	0.19	0.01	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	40	0.19	0.01	0.19
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	40	0.19	0.06	0.2
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	40	0.19	0.04	0.21
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	40	0.19	0.0	0.19
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	40	0.19	0.05	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	40	0.19	0.0	0.19
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	40	0.19	0.04	0.21
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	40	0.19	0.0	0.19
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	40	0.19	0.05	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	40	0.19	0.0	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	40	0.19	0.01	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	40	0.19	0.01	0.19
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	40	0.19	0.02	0.19
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	40	0.19	0.02	0.19
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	40	0.19	0.02	0.19
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	40	0.19	0.02	0.19
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	40	0.19	0.02	0.19
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	40	0.19	0.02	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	40	0.19	0.01	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	40	0.19	0.01	0.19
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	40	0.19	0.03	0.18
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	40	0.19	0.03	0.18
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	40	0.19	0.03	0.18
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	40	0.19	0.03	0.18
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	40	0.19	0.03	0.18
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	40	0.19	0.03	0.18
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	40	0.18	0.03	0.18
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	40	0.18	0.03	0.18
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	40	0.18	0.03	0.18
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	40	0.18	0.03	0.18
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	40	0.18	0.03	0.18
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	40	0.18	0.03	0.18
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	40	0.18	0.02	0.18
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	40	0.18	0.02	0.18
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	40	0.18	0.03	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	40	0.18	0.03	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	40	0.18	0.03	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	40	0.18	0.03	0.19
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	40	0.18	0.03	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	40	0.18	0.03	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	40	0.18	0.03	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	40	0.18	0.03	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	40	0.18	0.03	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	40	0.18	0.03	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	40	0.18	0.03	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	40	0.18	0.03	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	40	0.18	0.03	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	40	0.18	0.03	0.19
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	40	0.18	0.03	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	40	0.18	0.03	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	40	0.18	0.03	0.19
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	40	0.18	0.03	0.19
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	40	0.18	0.02	0.18
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	40	0.18	0.02	0.18
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	40	0.18	0.03	0.18
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	40	0.18	0.03	0.18
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	40	0.18	0.03	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	40	0.18	0.03	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	40	0.18	0.03	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	40	0.18	0.03	0.17
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	40	0.18	0.01	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	40	0.18	0.01	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	40	0.18	0.01	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	40	0.18	0.01	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	40	0.18	0.01	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	40	0.18	0.01	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	40	0.18	0.01	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	40	0.18	0.01	0.18
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	40	0.18	0.02	0.17
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	40	0.18	0.02	0.17
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	40	0.18	0.02	0.17
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	40	0.18	0.02	0.17
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	40	0.18	0.02	0.17
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	40	0.18	0.02	0.17
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	40	0.18	0.02	0.17
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	40	0.18	0.02	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	40	0.18	0.01	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	40	0.18	0.01	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	40	0.18	0.01	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	40	0.18	0.01	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	40	0.18	0.01	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	40	0.18	0.01	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	40	0.17	0.03	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	40	0.17	0.03	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	40	0.17	0.03	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	40	0.17	0.03	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	40	0.17	0.03	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	40	0.17	0.03	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	40	0.17	0.03	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	40	0.17	0.03	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	40	0.17	0.03	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	40	0.17	0.03	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	40	0.17	0.03	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	40	0.17	0.03	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	40	0.17	0.03	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	40	0.17	0.03	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	40	0.17	0.03	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	40	0.17	0.03	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	40	0.17	0.03	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	40	0.17	0.03	0.18
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	40	0.17	0.0	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	40	0.17	0.0	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	40	0.17	0.0	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	40	0.17	0.0	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	40	0.17	0.0	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	40	0.17	0.0	0.17
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	40	0.17	0.03	0.17
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	40	0.17	0.03	0.17
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	40	0.17	0.03	0.17
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	40	0.17	0.03	0.17
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	40	0.17	0.02	0.18
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	40	0.17	0.02	0.18
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	40	0.17	0.01	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	40	0.17	0.01	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	40	0.17	0.01	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	40	0.17	0.01	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	40	0.17	0.01	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	40	0.17	0.01	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	40	0.17	0.0	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	40	0.17	0.0	0.17
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	40	0.17	0.01	0.17
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	40	0.17	0.01	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	40	0.17	0.01	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	40	0.17	0.01	0.17
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	40	0.17	0.02	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	40	0.17	0.02	0.17
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	40	0.16	0.01	0.17
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	40	0.16	0.01	0.17
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	40	0.16	0.03	0.16
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	40	0.16	0.02	0.16
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	40	0.16	0.02	0.16
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	40	0.16	0.02	0.16
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	40	0.16	0.02	0.16
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	40	0.16	0.02	0.16
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	40	0.16	0.02	0.16
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	40	0.16	0.02	0.16
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	40	0.16	0.02	0.16
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	40	0.16	0.02	0.16
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	40	0.16	0.02	0.16
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	40	0.16	0.02	0.16
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	40	0.16	0.02	0.16
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	40	0.16	0.02	0.16
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	40	0.16	0.02	0.16
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	40	0.16	0.03	0.16
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	40	0.16	0.03	0.16
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	40	0.16	0.03	0.16
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	40	0.16	0.03	0.16
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	40	0.16	0.03	0.16
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	40	0.16	0.03	0.16
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	40	0.16	0.03	0.16
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	40	0.16	0.03	0.16
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	40	0.16	0.03	0.16
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	40	0.16	0.03	0.16
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	40	0.16	0.03	0.16
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	40	0.16	0.03	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	40	0.16	0.0	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	40	0.16	0.0	0.16
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	40	0.16	0.01	0.16
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	40	0.16	0.01	0.16
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	40	0.16	0.01	0.16
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	40	0.16	0.01	0.16
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	40	0.16	0.01	0.16
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	40	0.16	0.01	0.16
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	40	0.16	0.02	0.15
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	40	0.16	0.02	0.15
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	40	0.16	0.01	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	40	0.16	0.01	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	40	0.15	0.02	0.16
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	40	0.15	0.02	0.16
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	40	0.15	0.01	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	40	0.15	0.01	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	40	0.15	0.01	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	40	0.15	0.01	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	40	0.15	0.01	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	40	0.15	0.01	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	40	0.15	0.0	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	40	0.15	0.0	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	40	0.15	0.0	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	40	0.15	0.0	0.15
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	40	0.15	0.03	0.16
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	40	0.15	0.03	0.16
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	40	0.15	0.01	0.15
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	40	0.15	0.01	0.15
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	40	0.15	0.01	0.15
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	40	0.15	0.01	0.15
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	40	0.15	0.02	0.15
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	40	0.15	0.02	0.15
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	40	0.15	0.02	0.15
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	40	0.15	0.02	0.15
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	40	0.15	0.02	0.15
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	40	0.15	0.02	0.15
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	40	0.15	0.01	0.15
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	40	0.15	0.01	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	40	0.15	0.01	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	40	0.15	0.01	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	40	0.15	0.01	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	40	0.15	0.01	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	40	0.15	0.01	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	40	0.15	0.01	0.15
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	40	0.14	0.01	0.15
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	40	0.14	0.01	0.15
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	40	0.14	0.01	0.15
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	40	0.14	0.01	0.15
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	40	0.14	0.01	0.15
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	40	0.14	0.01	0.15
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	40	0.14	0.02	0.15
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	40	0.14	0.02	0.14
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	40	0.14	0.02	0.14
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	40	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	40	0.14	0.02	0.15
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	40	0.14	0.02	0.14
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	40	0.14	0.02	0.14
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	40	0.14	0.02	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	40	0.14	0.01	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	40	0.14	0.01	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	40	0.14	0.02	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	40	0.14	0.02	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	40	0.14	0.02	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	40	0.14	0.02	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	40	0.14	0.02	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	40	0.14	0.02	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	40	0.14	0.02	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	40	0.14	0.02	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	40	0.14	0.02	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	40	0.14	0.02	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	40	0.14	0.02	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	40	0.14	0.02	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	40	0.14	0.02	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	40	0.14	0.02	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	40	0.14	0.02	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	40	0.14	0.02	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	40	0.14	0.02	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	40	0.14	0.02	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	40	0.14	0.02	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	40	0.14	0.02	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	40	0.14	0.02	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	40	0.14	0.02	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	40	0.14	0.02	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	40	0.14	0.02	0.14
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	40	0.14	0.01	0.14
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	40	0.14	0.01	0.14
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	40	0.14	0.01	0.14
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	40	0.14	0.01	0.14
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	40	0.14	0.01	0.14
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	40	0.14	0.01	0.14
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	40	0.14	0.03	0.13
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	40	0.14	0.03	0.13
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	40	0.14	0.03	0.13
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	40	0.14	0.03	0.13
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	40	0.14	0.03	0.13
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	40	0.14	0.03	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	40	0.14	0.01	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	40	0.14	0.01	0.14
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	40	0.14	0.01	0.14
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	40	0.14	0.01	0.14
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	40	0.14	0.01	0.14
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	40	0.14	0.01	0.14
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	40	0.14	0.01	0.14
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	40	0.14	0.01	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	40	0.14	0.01	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	40	0.14	0.01	0.14
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	40	0.14	0.02	0.14
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	40	0.14	0.02	0.14
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	40	0.14	0.02	0.14
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	40	0.14	0.02	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	40	0.14	0.01	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	40	0.14	0.01	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	40	0.14	0.01	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	40	0.14	0.01	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	40	0.14	0.01	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	40	0.14	0.01	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	40	0.14	0.01	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	40	0.14	0.01	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	40	0.14	0.01	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	40	0.14	0.01	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	40	0.14	0.01	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	40	0.14	0.01	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	40	0.14	0.01	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	40	0.14	0.01	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	40	0.14	0.01	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	40	0.14	0.01	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	40	0.13	0.0	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	40	0.13	0.0	0.13
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	40	0.13	0.02	0.14
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	40	0.13	0.02	0.14
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	40	0.13	0.0	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	40	0.13	0.0	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	40	0.13	0.01	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	40	0.13	0.01	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	40	0.13	0.01	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	40	0.13	0.01	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	40	0.13	0.01	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	40	0.13	0.01	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	40	0.13	0.0	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	40	0.13	0.0	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	40	0.13	0.0	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	40	0.13	0.0	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	40	0.13	0.0	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	40	0.13	0.0	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	40	0.13	0.0	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	40	0.13	0.0	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	40	0.13	0.0	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	40	0.13	0.0	0.13
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	40	0.12	0.0	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	40	0.12	0.0	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	40	0.12	0.0	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	40	0.12	0.0	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	40	0.12	0.0	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	40	0.12	0.0	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	40	0.12	0.0	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	40	0.12	0.0	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	40	0.12	0.0	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	40	0.12	0.0	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	40	0.11	0.0	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	40	0.11	0.0	0.11
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	39	0.23	0.05	0.23
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	39	0.23	0.05	0.23
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	39	0.23	0.05	0.23
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	39	0.23	0.05	0.23
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	39	0.22	0.05	0.22
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	39	0.22	0.05	0.22
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	39	0.19	0.03	0.19
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	39	0.19	0.03	0.19
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	39	0.19	0.04	0.19
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	39	0.19	0.04	0.19
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	39	0.19	0.04	0.19
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	39	0.19	0.04	0.19
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	39	0.19	0.04	0.19
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	39	0.19	0.04	0.19
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	39	0.18	0.02	0.19
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	39	0.18	0.02	0.19
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	39	0.18	0.02	0.19
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	39	0.18	0.02	0.19
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	39	0.16	0.02	0.16
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	39	0.16	0.02	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	39	0.16	0.02	0.16
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	39	0.16	0.02	0.16
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	39	0.16	0.02	0.16
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	39	0.16	0.02	0.16
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	39	0.16	0.03	0.16
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	39	0.16	0.03	0.16
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	39	0.16	0.03	0.15
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	39	0.16	0.03	0.15
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	39	0.16	0.03	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	39	0.16	0.03	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	39	0.16	0.03	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	39	0.16	0.03	0.15
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	39	0.16	0.03	0.15
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	39	0.16	0.03	0.15
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	39	0.16	0.03	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	39	0.16	0.03	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	39	0.16	0.03	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	39	0.16	0.03	0.15
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	39	0.15	0.02	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	39	0.15	0.02	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	39	0.15	0.02	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	39	0.15	0.02	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	39	0.15	0.02	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	39	0.15	0.02	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	39	0.15	0.02	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	39	0.15	0.02	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	39	0.15	0.02	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	39	0.15	0.02	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	39	0.15	0.02	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	39	0.15	0.02	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	39	0.15	0.02	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	39	0.15	0.02	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	39	0.15	0.02	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	39	0.15	0.02	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	39	0.15	0.02	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	39	0.15	0.02	0.16
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	39	0.15	0.02	0.15
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	39	0.15	0.02	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	39	0.14	0.02	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	39	0.14	0.02	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	39	0.14	0.02	0.15
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	39	0.14	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	39	0.14	0.02	0.15
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	39	0.14	0.02	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	39	0.14	0.02	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	39	0.14	0.02	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	39	0.14	0.02	0.15
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	39	0.14	0.02	0.15
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	39	0.14	0.02	0.15
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	39	0.14	0.02	0.15
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	39	0.14	0.01	0.14
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	39	0.14	0.01	0.14
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	39	0.14	0.02	0.14
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	39	0.14	0.02	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	39	0.14	0.03	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	39	0.14	0.03	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	39	0.14	0.03	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	39	0.14	0.03	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	39	0.14	0.03	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	39	0.14	0.03	0.13
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	39	0.14	0.03	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	39	0.14	0.03	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	39	0.14	0.03	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	39	0.14	0.03	0.12
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	39	0.13	0.02	0.13
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	39	0.13	0.02	0.13
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	39	0.13	0.02	0.13
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	39	0.13	0.02	0.13
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	39	0.13	0.02	0.14
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	39	0.13	0.02	0.14
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	39	0.13	0.01	0.13
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	39	0.13	0.01	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	39	0.12	0.01	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	39	0.12	0.01	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	39	0.12	0.01	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	39	0.12	0.01	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	39	0.12	0.01	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	39	0.12	0.01	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	39	0.12	0.0	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	39	0.12	0.0	0.12
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	39	0.12	0.01	0.12
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	39	0.12	0.01	0.12
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	38	0.25	0.04	0.26
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	38	0.25	0.04	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	38	0.23	0.05	0.22
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	38	0.23	0.05	0.22
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	38	0.23	0.05	0.22
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	38	0.23	0.05	0.22
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	38	0.21	0.01	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	38	0.21	0.01	0.21
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	38	0.2	0.04	0.19
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	38	0.2	0.04	0.19
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	38	0.2	0.03	0.2
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	38	0.2	0.03	0.2
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	38	0.15	0.03	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	38	0.15	0.03	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	38	0.15	0.03	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	38	0.15	0.03	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	38	0.15	0.03	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	38	0.15	0.03	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	38	0.15	0.03	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	38	0.15	0.03	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	38	0.15	0.03	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	38	0.15	0.03	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	38	0.15	0.03	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	38	0.15	0.03	0.15
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	38	0.15	0.01	0.15
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	38	0.15	0.01	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	38	0.14	0.02	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	38	0.14	0.02	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	38	0.14	0.02	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	38	0.14	0.02	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	38	0.14	0.02	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	38	0.14	0.02	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	38	0.14	0.02	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	38	0.14	0.02	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	38	0.14	0.02	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	38	0.14	0.02	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	38	0.14	0.02	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	38	0.14	0.02	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	38	0.14	0.02	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	38	0.14	0.02	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	38	0.14	0.02	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	38	0.14	0.02	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	38	0.14	0.02	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	38	0.14	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	38	0.14	0.02	0.13
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	38	0.14	0.02	0.13
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	38	0.11	0.01	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	38	0.11	0.01	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	38	0.11	0.01	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	38	0.11	0.01	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	38	0.11	0.01	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	38	0.11	0.01	0.11
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	37	0.22	0.0	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	37	0.22	0.0	0.22
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	37	0.17	0.04	0.15
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	37	0.17	0.04	0.15
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	37	0.17	0.04	0.15
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	37	0.17	0.04	0.15
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	37	0.17	0.04	0.15
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	37	0.17	0.04	0.15
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	37	0.16	0.04	0.16
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	37	0.16	0.04	0.16
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	37	0.14	0.02	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	37	0.14	0.02	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	37	0.14	0.02	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	37	0.14	0.02	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	37	0.14	0.02	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	37	0.14	0.02	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	37	0.14	0.02	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	37	0.14	0.02	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	37	0.14	0.02	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	37	0.14	0.02	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	37	0.14	0.02	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	37	0.14	0.02	0.14
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	37	0.14	0.02	0.13
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	37	0.14	0.02	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	37	0.13	0.01	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	37	0.13	0.01	0.13
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	36	0.21	0.0	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	36	0.21	0.0	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	36	0.21	0.0	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	36	0.21	0.0	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	36	0.21	0.0	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	36	0.21	0.0	0.21
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	36	0.2	0.06	0.22
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	36	0.2	0.06	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	36	0.2	0.06	0.22
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	36	0.2	0.06	0.22
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	36	0.2	0.06	0.22
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	36	0.2	0.06	0.22
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	36	0.2	0.06	0.22
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	36	0.2	0.06	0.22
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	36	0.2	0.06	0.22
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	36	0.2	0.06	0.22
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	36	0.2	0.06	0.22
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	36	0.2	0.06	0.22
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	36	0.2	0.06	0.22
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	36	0.2	0.06	0.22
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	36	0.2	0.06	0.22
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	36	0.2	0.06	0.22
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	36	0.2	0.06	0.22
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	36	0.2	0.06	0.22
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	36	0.19	0.0	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	36	0.19	0.0	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	36	0.19	0.0	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	36	0.19	0.0	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	36	0.19	0.0	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	36	0.19	0.0	0.19
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	36	0.16	0.03	0.17
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	36	0.16	0.03	0.17
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	36	0.16	0.03	0.17
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	36	0.16	0.03	0.17
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	36	0.16	0.03	0.17
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	36	0.16	0.03	0.17
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	36	0.16	0.03	0.16
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	36	0.16	0.03	0.16
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	36	0.14	0.02	0.14
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	36	0.14	0.02	0.14
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	36	0.14	0.02	0.14
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	36	0.14	0.02	0.14
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	36	0.14	0.02	0.14
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	36	0.14	0.02	0.14
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	36	0.14	0.02	0.14
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	36	0.14	0.02	0.14
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	36	0.14	0.02	0.14
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	36	0.14	0.02	0.14
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	36	0.14	0.02	0.14
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	36	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	36	0.14	0.01	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	36	0.14	0.01	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	36	0.14	0.01	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	36	0.14	0.01	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	36	0.14	0.01	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	36	0.14	0.01	0.14
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	36	0.13	0.02	0.14
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	36	0.13	0.02	0.14
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	36	0.11	0.0	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	36	0.11	0.0	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	36	0.11	0.0	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	36	0.11	0.0	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	36	0.11	0.0	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	36	0.11	0.0	0.11
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	35	0.22	0.02	0.22
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	35	0.22	0.02	0.22
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	35	0.14	0.02	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	35	0.14	0.02	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	35	0.14	0.02	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	35	0.14	0.02	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	35	0.14	0.02	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	35	0.14	0.02	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	35	0.14	0.02	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	35	0.14	0.02	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	35	0.14	0.02	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	35	0.14	0.02	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	35	0.14	0.02	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	35	0.14	0.02	0.15
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	35	0.14	0.02	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	35	0.14	0.02	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	35	0.14	0.02	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	35	0.14	0.02	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	35	0.14	0.02	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	35	0.14	0.02	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	35	0.14	0.02	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	35	0.14	0.02	0.13
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	35	0.12	0.01	0.12
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	35	0.12	0.01	0.12
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	35	0.12	0.01	0.12
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	35	0.12	0.01	0.12
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	35	0.12	0.01	0.12
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	35	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	35	0.12	0.02	0.11
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	35	0.12	0.02	0.11
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	35	0.12	0.02	0.11
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	35	0.12	0.01	0.12
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	35	0.12	0.01	0.12
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	34	0.25	0.01	0.24
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	34	0.25	0.01	0.24
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	34	0.18	0.01	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	34	0.18	0.01	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	34	0.16	0.01	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	34	0.16	0.01	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	34	0.16	0.01	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	34	0.16	0.01	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	34	0.16	0.01	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	34	0.16	0.01	0.17
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	34	0.16	0.02	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	34	0.16	0.02	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	34	0.16	0.02	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	34	0.16	0.02	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	34	0.16	0.02	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	34	0.16	0.02	0.16
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	34	0.16	0.04	0.13
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	34	0.16	0.04	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	34	0.12	0.02	0.12
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	34	0.12	0.02	0.12
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	34	0.12	0.02	0.12
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	34	0.12	0.02	0.12
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	34	0.12	0.02	0.12
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	34	0.12	0.02	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	34	0.12	0.0	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	34	0.12	0.0	0.12
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	33	0.16	0.04	0.15
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	33	0.16	0.04	0.15
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	33	0.14	0.03	0.13
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	33	0.14	0.03	0.13
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	33	0.13	0.02	0.13
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	33	0.13	0.02	0.13
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	33	0.13	0.02	0.12
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	33	0.13	0.02	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	33	0.12	0.02	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	33	0.12	0.02	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	33	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	33	0.12	0.02	0.12
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	32	0.19	0.0	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	32	0.19	0.0	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	32	0.19	0.0	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	32	0.19	0.0	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	32	0.19	0.0	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	32	0.19	0.0	0.19
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	32	0.15	0.03	0.15
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	32	0.15	0.03	0.15
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	32	0.15	0.03	0.15
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	32	0.15	0.03	0.15
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	32	0.13	0.02	0.12
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	32	0.13	0.02	0.12
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	32	0.13	0.02	0.12
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	32	0.13	0.02	0.12
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	32	0.13	0.02	0.12
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	32	0.13	0.02	0.12
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	32	0.13	0.02	0.12
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	32	0.13	0.02	0.12
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	31	0.16	0.03	0.16
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	31	0.16	0.03	0.16
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	31	0.13	0.02	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	31	0.13	0.02	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	31	0.13	0.02	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	31	0.13	0.02	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	31	0.13	0.02	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	31	0.13	0.02	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	31	0.13	0.02	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	31	0.13	0.02	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	31	0.13	0.02	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	31	0.13	0.02	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	31	0.13	0.02	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	31	0.13	0.02	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	31	0.13	0.02	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	31	0.13	0.02	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	31	0.13	0.02	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	31	0.13	0.02	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	31	0.13	0.02	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	31	0.13	0.02	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	31	0.13	0.02	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	31	0.13	0.02	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	31	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	31	0.13	0.02	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	31	0.13	0.02	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	31	0.13	0.02	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	31	0.13	0.02	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	31	0.13	0.02	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	31	0.13	0.02	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	31	0.13	0.02	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	31	0.13	0.02	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	31	0.13	0.02	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	31	0.13	0.02	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	31	0.13	0.02	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	31	0.13	0.02	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	31	0.13	0.02	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	31	0.13	0.02	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	31	0.13	0.02	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	31	0.13	0.02	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	31	0.13	0.02	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	31	0.13	0.02	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	31	0.13	0.02	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	31	0.13	0.02	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	31	0.13	0.02	0.12
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	31	0.12	0.01	0.12
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	31	0.12	0.01	0.12
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	31	0.12	0.01	0.12
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	31	0.12	0.01	0.12
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	31	0.12	0.01	0.12
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	31	0.12	0.01	0.12
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	30	0.15	0.03	0.14
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	30	0.15	0.03	0.14
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	30	0.15	0.03	0.14
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	30	0.15	0.03	0.14
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	30	0.15	0.03	0.14
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	30	0.15	0.03	0.14
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	30	0.14	0.03	0.14
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	30	0.14	0.03	0.14
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	30	0.14	0.03	0.14
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	30	0.14	0.03	0.14
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	30	0.14	0.03	0.14
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	30	0.14	0.03	0.14
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	30	0.14	0.03	0.13
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	30	0.14	0.03	0.13
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	30	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	30	0.14	0.02	0.14
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	30	0.14	0.02	0.14
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	30	0.14	0.02	0.14
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	30	0.11	0.01	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	30	0.11	0.01	0.11
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	29	0.23	0.02	0.22
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	29	0.23	0.02	0.22
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	29	0.15	0.02	0.15
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	29	0.15	0.02	0.15
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	29	0.15	0.02	0.15
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	29	0.15	0.02	0.15
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	29	0.15	0.02	0.15
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	29	0.15	0.02	0.15
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	29	0.14	0.02	0.14
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	29	0.14	0.02	0.14
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	29	0.14	0.02	0.14
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	29	0.14	0.02	0.14
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	29	0.14	0.02	0.14
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	29	0.14	0.02	0.14
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	29	0.12	0.01	0.11
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	29	0.12	0.01	0.11
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	28	0.18	0.04	0.19
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	28	0.18	0.04	0.19
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	28	0.16	0.03	0.16
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	28	0.16	0.03	0.16
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	28	0.13	0.02	0.13
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	28	0.13	0.02	0.13
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	28	0.13	0.02	0.13
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	28	0.13	0.02	0.13
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	28	0.13	0.02	0.13
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	28	0.13	0.02	0.13
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	28	0.13	0.02	0.13
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	28	0.13	0.02	0.13
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	28	0.13	0.02	0.13
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	28	0.13	0.02	0.13
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	28	0.13	0.02	0.13
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	28	0.13	0.02	0.13
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	28	0.13	0.02	0.13
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	28	0.13	0.02	0.13
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	27	0.15	0.02	0.15
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	27	0.15	0.02	0.15
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	27	0.15	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	27	0.15	0.02	0.15
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	27	0.15	0.02	0.15
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	27	0.15	0.02	0.15
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	27	0.13	0.05	0.12
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	27	0.13	0.05	0.12
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	27	0.13	0.05	0.12
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	27	0.13	0.05	0.12
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	26	0.78	0.31	0.91
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	26	0.14	0.03	0.15
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	26	0.14	0.03	0.15
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	26	0.14	0.03	0.15
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	26	0.14	0.03	0.15
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	26	0.14	0.03	0.15
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	26	0.14	0.03	0.15
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	26	0.14	0.03	0.15
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	26	0.14	0.03	0.15
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	26	0.12	0.02	0.12
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	26	0.12	0.02	0.12
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	26	0.1	0.0	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	26	0.1	0.0	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	26	0.1	0.0	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	26	0.1	0.0	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	26	0.1	0.0	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	26	0.1	0.0	0.1
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	25	0.13	0.02	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	25	0.13	0.02	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	25	0.13	0.02	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	25	0.13	0.02	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	25	0.13	0.02	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	25	0.13	0.02	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	25	0.13	0.02	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	25	0.13	0.02	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	25	0.13	0.02	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	25	0.13	0.02	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	25	0.13	0.02	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	25	0.13	0.02	0.12
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	25	0.13	0.02	0.13
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	25	0.13	0.02	0.13
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	25	0.13	0.02	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	25	0.13	0.02	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	25	0.13	0.02	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	25	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	25	0.13	0.02	0.13
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	25	0.13	0.02	0.13
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	25	0.13	0.02	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	25	0.13	0.02	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	25	0.13	0.02	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	25	0.13	0.02	0.13
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	24	1.94	0.68	2.17
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	24	1.85	0.79	2.36
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	24	0.28	0.0	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	24	0.28	0.0	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	24	0.28	0.0	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	24	0.28	0.0	0.28
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	24	0.17	0.06	0.16
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	24	0.17	0.06	0.16
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	24	0.17	0.06	0.16
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	24	0.16	0.03	0.16
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	24	0.16	0.03	0.16
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	24	0.12	0.02	0.12
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	24	0.12	0.02	0.12
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	24	0.12	0.02	0.12
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	24	0.12	0.02	0.12
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	24	0.12	0.02	0.12
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	24	0.12	0.02	0.12
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	23	1.21	0.43	1.36
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	23	0.15	0.03	0.15
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	23	0.15	0.03	0.15
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	23	0.15	0.03	0.15
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	23	0.15	0.03	0.15
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	23	0.15	0.03	0.15
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	23	0.15	0.03	0.15
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	23	0.15	0.03	0.15
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	23	0.15	0.03	0.15
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	23	0.15	0.03	0.15
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	23	0.15	0.03	0.15
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	23	0.15	0.03	0.15
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	23	0.15	0.03	0.15
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	23	0.15	0.03	0.15
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	23	0.15	0.03	0.15
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	23	0.15	0.03	0.15
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	23	0.15	0.03	0.15
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	23	0.15	0.03	0.15
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	23	0.15	0.03	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	22	0.21	0.01	0.2
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	22	0.21	0.01	0.2
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	22	0.21	0.01	0.2
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	22	0.21	0.01	0.2
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	22	0.14	0.02	0.14
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	22	0.12	0.01	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	22	0.12	0.01	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	22	0.12	0.01	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	22	0.12	0.01	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	22	0.12	0.01	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	22	0.12	0.01	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	22	0.12	0.01	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	22	0.12	0.01	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	22	0.12	0.01	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	22	0.12	0.01	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	22	0.12	0.01	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	22	0.12	0.01	0.12
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	22	0.12	0.01	0.12
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	22	0.12	0.01	0.12
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	22	0.12	0.01	0.12
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	22	0.12	0.01	0.12
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	22	0.12	0.01	0.12
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	22	0.12	0.01	0.12
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	21	1.66	0.95	2.23
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	21	0.14	0.03	0.14
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	21	0.14	0.03	0.14
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	21	0.14	0.03	0.14
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	21	0.14	0.03	0.14
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	21	0.13	0.02	0.13
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	21	0.13	0.02	0.13
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	21	0.13	0.02	0.12
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	21	0.13	0.02	0.12
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	21	0.13	0.02	0.12
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	21	0.13	0.02	0.12
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	21	0.13	0.02	0.12
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	21	0.13	0.02	0.12
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	21	0.13	0.01	0.12
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	21	0.13	0.01	0.12
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	21	0.11	0.01	0.11
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	21	0.11	0.01	0.11
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	20	3.25	0.02	3.24
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	20	1.3	0.11	1.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	20	1.3	0.11	1.25
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	20	1.22	0.22	1.14
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	20	1.22	0.22	1.14
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	20	0.84	0.05	0.82
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	20	0.34	0.01	0.34
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	20	0.25	0.02	0.25
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	20	0.25	0.02	0.25
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	20	0.22	0.0	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	20	0.22	0.0	0.22
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	20	0.21	0.01	0.21
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	20	0.21	0.01	0.21
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	20	0.17	0.02	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	20	0.17	0.02	0.17
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	20	0.14	0.02	0.14
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	20	0.13	0.02	0.12
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	20	0.13	0.02	0.12
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	20	0.13	0.01	0.13
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	20	0.13	0.01	0.13
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	20	0.11	0.01	0.11
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	20	0.11	0.01	0.11
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	20	0.1	0.01	0.1
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	20	0.1	0.01	0.1
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	19	0.27	0.04	0.28
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	18	0.19	0.05	0.21
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	18	0.19	0.05	0.21
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	18	0.19	0.05	0.21
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	18	0.19	0.05	0.21
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	18	0.19	0.05	0.21
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	18	0.19	0.05	0.21
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	18	0.15	0.02	0.16
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	18	0.15	0.02	0.16
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	18	0.14	0.02	0.15
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	18	0.14	0.02	0.15
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	18	0.14	0.02	0.15
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	18	0.14	0.02	0.15
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	18	0.14	0.02	0.15
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	18	0.14	0.02	0.15
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	18	0.14	0.02	0.15
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	18	0.14	0.02	0.15
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	18	0.14	0.02	0.15
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	18	0.14	0.02	0.15
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	18	0.14	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	18	0.14	0.02	0.15
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	18	0.13	0.02	0.13
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	18	0.13	0.02	0.13
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	18	0.13	0.02	0.13
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	18	0.13	0.02	0.13
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	18	0.13	0.02	0.13
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	18	0.13	0.02	0.13
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	18	0.12	0.01	0.11
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	18	0.12	0.01	0.11
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	18	0.12	0.01	0.11
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	18	0.12	0.01	0.11
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	18	0.12	0.01	0.11
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	18	0.12	0.01	0.11
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	18	0.11	0.01	0.11
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	18	0.11	0.01	0.11
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	17	0.13	0.02	0.13
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	17	0.13	0.02	0.13
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	17	0.13	0.03	0.12
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	17	0.13	0.03	0.12
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	16	0.22	0.03	0.21
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	16	0.22	0.03	0.21
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	16	0.21	0.02	0.22
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	16	0.21	0.02	0.22
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	16	0.21	0.02	0.22
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	16	0.21	0.02	0.22
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	16	0.21	0.02	0.22
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	16	0.21	0.02	0.22
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	16	0.18	0.01	0.18
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	16	0.18	0.01	0.18
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	16	0.15	0.01	0.15
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	16	0.15	0.01	0.15
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	16	0.15	0.01	0.15
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	16	0.15	0.01	0.15
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	16	0.15	0.01	0.15
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	16	0.15	0.01	0.15
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	16	0.12	0.0	0.12
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	16	0.12	0.0	0.12
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	16	0.12	0.0	0.12
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	16	0.12	0.01	0.11
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	16	0.12	0.01	0.11
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	16	0.12	0.01	0.11
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	16	0.12	0.0	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	16	0.12	0.0	0.12
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	16	0.12	0.0	0.12
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	16	0.12	0.01	0.11
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	16	0.12	0.01	0.11
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	16	0.12	0.01	0.11
(1,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	15	0.14	0.02	0.15
(3,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	15	0.14	0.02	0.15
(1,1236)	1:13:A:THR:HG21	1:34:A:SER:HB3	15	0.13	0.02	0.13
(1,1236)	1:13:A:THR:HG22	1:34:A:SER:HB3	15	0.13	0.02	0.13
(1,1236)	1:13:A:THR:HG23	1:34:A:SER:HB3	15	0.13	0.02	0.13
(3,1240)	1:13:A:THR:HG21	1:34:A:SER:HB3	15	0.13	0.02	0.13
(3,1240)	1:13:A:THR:HG22	1:34:A:SER:HB3	15	0.13	0.02	0.13
(3,1240)	1:13:A:THR:HG23	1:34:A:SER:HB3	15	0.13	0.02	0.13
(1,1213)	1:66:A:MET:H	1:28:A:THR:HA	15	0.13	0.02	0.11
(3,1217)	1:66:A:MET:H	1:28:A:THR:HA	15	0.13	0.02	0.11
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	15	0.12	0.02	0.11
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	15	0.12	0.02	0.11
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	15	0.12	0.02	0.11
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	15	0.12	0.02	0.11
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	15	0.12	0.02	0.11
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	15	0.12	0.02	0.11
(1,590)	1:3:A:ASP:H	1:2:A:ILE:HA	14	0.22	0.01	0.21
(3,590)	1:3:A:ASP:H	1:2:A:ILE:HA	14	0.22	0.01	0.21
(1,1861)	1:7:A:ALA:HB1	1:88:A:ARG:HA	14	0.13	0.02	0.13
(1,1861)	1:7:A:ALA:HB2	1:88:A:ARG:HA	14	0.13	0.02	0.13
(1,1861)	1:7:A:ALA:HB3	1:88:A:ARG:HA	14	0.13	0.02	0.13
(3,1864)	1:7:A:ALA:HB1	1:88:A:ARG:HA	14	0.13	0.02	0.13
(3,1864)	1:7:A:ALA:HB2	1:88:A:ARG:HA	14	0.13	0.02	0.13
(3,1864)	1:7:A:ALA:HB3	1:88:A:ARG:HA	14	0.13	0.02	0.13
(1,2537)	1:73:A:PRO:HG3	1:73:A:PRO:HA	14	0.13	0.02	0.13
(3,2541)	1:73:A:PRO:HG3	1:73:A:PRO:HA	14	0.13	0.02	0.13
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	14	0.12	0.02	0.12
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	14	0.12	0.02	0.12
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	14	0.12	0.02	0.12
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	14	0.12	0.02	0.12
(1,1896)	1:47:A:THR:HG21	1:44:A:LYS:HB3	14	0.12	0.01	0.12
(1,1896)	1:47:A:THR:HG22	1:44:A:LYS:HB3	14	0.12	0.01	0.12
(1,1896)	1:47:A:THR:HG23	1:44:A:LYS:HB3	14	0.12	0.01	0.12
(3,1899)	1:47:A:THR:HG21	1:44:A:LYS:HB3	14	0.12	0.01	0.12
(3,1899)	1:47:A:THR:HG22	1:44:A:LYS:HB3	14	0.12	0.01	0.12
(3,1899)	1:47:A:THR:HG23	1:44:A:LYS:HB3	14	0.12	0.01	0.12
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	13	0.16	0.03	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	13	0.16	0.03	0.16
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	13	0.16	0.03	0.16
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	13	0.16	0.03	0.16
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	13	0.16	0.03	0.16
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	13	0.16	0.03	0.16
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	13	0.16	0.03	0.16
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	13	0.16	0.03	0.16
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	13	0.16	0.03	0.16
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	13	0.16	0.03	0.16
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	13	0.16	0.03	0.16
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	13	0.16	0.03	0.16
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	13	0.16	0.03	0.16
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	13	0.16	0.03	0.16
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	13	0.16	0.03	0.16
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	13	0.16	0.03	0.16
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	13	0.16	0.03	0.16
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	13	0.16	0.03	0.16
(1,2460)	1:4:A:PRO:HD3	1:3:A:ASP:HA	13	0.15	0.02	0.15
(3,2463)	1:4:A:PRO:HD3	1:3:A:ASP:HA	13	0.15	0.02	0.15
(1,2099)	1:40:A:VAL:HG21	1:83:A:ALA:HA	13	0.14	0.03	0.13
(1,2099)	1:40:A:VAL:HG22	1:83:A:ALA:HA	13	0.14	0.03	0.13
(1,2099)	1:40:A:VAL:HG23	1:83:A:ALA:HA	13	0.14	0.03	0.13
(3,2102)	1:40:A:VAL:HG21	1:83:A:ALA:HA	13	0.14	0.03	0.13
(3,2102)	1:40:A:VAL:HG22	1:83:A:ALA:HA	13	0.14	0.03	0.13
(3,2102)	1:40:A:VAL:HG23	1:83:A:ALA:HA	13	0.14	0.03	0.13
(1,55)	1:42:A:TRP:H	1:42:A:TRP:HB3	13	0.1	0.0	0.1
(3,57)	1:42:A:TRP:H	1:42:A:TRP:HB3	13	0.1	0.0	0.1
(1,2801)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	12	0.22	0.0	0.22
(3,2808)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	12	0.22	0.0	0.22
(1,3185)	1:43:A:TYR:HD1	1:44:A:LYS:H	12	0.12	0.01	0.12
(1,3185)	1:43:A:TYR:HD2	1:44:A:LYS:H	12	0.12	0.01	0.12
(3,3191)	1:43:A:TYR:HD1	1:44:A:LYS:H	12	0.12	0.01	0.12
(3,3191)	1:43:A:TYR:HD2	1:44:A:LYS:H	12	0.12	0.01	0.12
(1,2608)	1:60:A:ASP:HB3	1:60:A:ASP:H	12	0.11	0.01	0.11
(1,2609)	1:60:A:ASP:HB3	1:60:A:ASP:H	12	0.11	0.01	0.11
(3,2612)	1:60:A:ASP:HB3	1:60:A:ASP:H	12	0.11	0.01	0.11
(3,2613)	1:60:A:ASP:HB3	1:60:A:ASP:H	12	0.11	0.01	0.11
(1,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	12	0.11	0.01	0.11
(3,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	12	0.11	0.01	0.11
(1,2678)	1:53:A:GLN:HB2	1:53:A:GLN:HA	11	0.29	0.0	0.29
(3,2682)	1:53:A:GLN:HB2	1:53:A:GLN:HA	11	0.29	0.0	0.29
(1,2676)	1:53:A:GLN:HA	1:53:A:GLN:HB2	11	0.19	0.0	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,2680)	1:53:A:GLN:HA	1:53:A:GLN:HB2	11	0.19	0.0	0.19
(1,1174)	1:91:A:ALA:H	1:84:A:ARG:HA	11	0.15	0.02	0.15
(3,1178)	1:91:A:ALA:H	1:84:A:ARG:HA	11	0.15	0.02	0.15
(1,3211)	1:69:A:HIS:HE1	1:67:A:THR:HB	11	0.14	0.03	0.14
(3,3217)	1:69:A:HIS:HE1	1:67:A:THR:HB	11	0.14	0.03	0.14
(1,1226)	1:101:A:LEU:H	1:22:A:SER:HA	11	0.14	0.03	0.14
(3,1230)	1:101:A:LEU:H	1:22:A:SER:HA	11	0.14	0.03	0.14
(1,3132)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	11	0.14	0.02	0.13
(1,3132)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	11	0.14	0.02	0.13
(3,3138)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	11	0.14	0.02	0.13
(3,3138)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	11	0.14	0.02	0.13
(1,3169)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	11	0.13	0.01	0.13
(3,3175)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	11	0.13	0.01	0.13
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	11	0.13	0.02	0.12
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	11	0.13	0.02	0.12
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	11	0.13	0.02	0.12
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	11	0.13	0.02	0.12
(1,1149)	1:54:A:LYS:H	1:53:A:GLN:HG3	11	0.12	0.03	0.11
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	11	0.12	0.01	0.12
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	11	0.12	0.01	0.12
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	11	0.12	0.01	0.12
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	11	0.12	0.01	0.12
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	11	0.12	0.01	0.12
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	11	0.12	0.01	0.12
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	11	0.12	0.01	0.12
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	11	0.12	0.01	0.12
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	11	0.12	0.01	0.12
(3,1152)	1:54:A:LYS:H	1:53:A:GLN:HG3	11	0.12	0.03	0.11
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	11	0.12	0.01	0.12
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	11	0.12	0.01	0.12
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	11	0.12	0.01	0.12
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	11	0.12	0.01	0.12
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	11	0.12	0.01	0.12
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	11	0.12	0.01	0.12
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	11	0.12	0.01	0.12
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	11	0.12	0.01	0.12
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	11	0.12	0.01	0.12
(1,3133)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	11	0.12	0.01	0.12
(1,3133)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	11	0.12	0.01	0.12
(3,3139)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	11	0.12	0.01	0.12
(3,3139)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	11	0.12	0.01	0.12
(1,1484)	1:81:A:VAL:HB	1:42:A:TRP:HE1	11	0.12	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1488)	1:81:A:VAL:HB	1:42:A:TRP:HE1	11	0.12	0.01	0.11
(1,203)	1:90:A:GLU:H	1:91:A:ALA:H	11	0.1	0.0	0.1
(3,203)	1:90:A:GLU:H	1:91:A:ALA:H	11	0.1	0.0	0.1
(1,2479)	1:9:A:PRO:HD2	1:8:A:GLU:HA	10	0.14	0.04	0.13
(3,2482)	1:9:A:PRO:HD2	1:8:A:GLU:HA	10	0.14	0.04	0.13
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	10	0.13	0.02	0.12
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	10	0.13	0.02	0.12
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	10	0.13	0.02	0.12
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	10	0.13	0.02	0.12
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	10	0.13	0.01	0.12
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	10	0.13	0.01	0.12
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	10	0.13	0.01	0.12
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	10	0.13	0.01	0.12
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	10	0.13	0.01	0.12
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	10	0.13	0.01	0.12
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	10	0.13	0.01	0.12
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	10	0.13	0.01	0.12
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	10	0.13	0.01	0.12
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	10	0.13	0.01	0.12
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	10	0.13	0.01	0.12
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	10	0.13	0.01	0.12
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	10	0.13	0.01	0.12
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	10	0.13	0.01	0.12
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	10	0.13	0.01	0.12
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	10	0.13	0.01	0.12
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	10	0.13	0.01	0.12
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	10	0.13	0.01	0.12
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	10	0.13	0.01	0.12
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	10	0.13	0.01	0.12
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	10	0.13	0.01	0.12
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	10	0.13	0.01	0.12
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	10	0.13	0.01	0.12
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	10	0.13	0.01	0.12
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	10	0.13	0.01	0.12
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	10	0.13	0.01	0.12
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	10	0.13	0.01	0.12
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	10	0.13	0.01	0.12
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	10	0.13	0.01	0.12
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	10	0.13	0.01	0.12
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	10	0.13	0.01	0.12
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	10	0.13	0.01	0.12
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	10	0.13	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	10	0.13	0.01	0.12
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	10	0.13	0.01	0.12
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	10	0.13	0.01	0.12
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG21	10	0.12	0.02	0.12
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG22	10	0.12	0.02	0.12
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG23	10	0.12	0.02	0.12
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG21	10	0.12	0.02	0.12
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG22	10	0.12	0.02	0.12
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG23	10	0.12	0.02	0.12
(1,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	10	0.11	0.01	0.11
(3,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	10	0.11	0.01	0.11
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	10	0.11	0.01	0.11
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	10	0.11	0.01	0.11
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	10	0.11	0.01	0.11
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	10	0.11	0.01	0.11
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	10	0.11	0.01	0.11
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	10	0.11	0.01	0.11
(1,742)	1:76:A:GLU:H	1:77:A:GLY:H	10	0.11	0.0	0.11
(3,742)	1:76:A:GLU:H	1:77:A:GLY:H	10	0.11	0.0	0.11
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	9	0.12	0.02	0.12
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	9	0.12	0.02	0.12
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	9	0.12	0.02	0.12
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	9	0.12	0.02	0.12
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	9	0.12	0.02	0.12
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	9	0.12	0.02	0.12
(1,3197)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	9	0.12	0.01	0.12
(3,3203)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	9	0.12	0.01	0.12
(1,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	9	0.12	0.01	0.12
(3,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	9	0.12	0.01	0.12
(1,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	9	0.11	0.01	0.11
(1,1261)	1:67:A:THR:HG21	1:56:A:ASN:H	9	0.11	0.01	0.11
(1,1261)	1:67:A:THR:HG22	1:56:A:ASN:H	9	0.11	0.01	0.11
(1,1261)	1:67:A:THR:HG23	1:56:A:ASN:H	9	0.11	0.01	0.11
(3,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	9	0.11	0.01	0.11
(3,1265)	1:67:A:THR:HG21	1:56:A:ASN:H	9	0.11	0.01	0.11
(3,1265)	1:67:A:THR:HG22	1:56:A:ASN:H	9	0.11	0.01	0.11
(3,1265)	1:67:A:THR:HG23	1:56:A:ASN:H	9	0.11	0.01	0.11
(1,2467)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	8	0.25	0.02	0.25
(3,2470)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	8	0.25	0.02	0.25
(1,1530)	1:2:A:ILE:HG21	1:2:A:ILE:HA	8	0.18	0.01	0.18
(1,1530)	1:2:A:ILE:HG22	1:2:A:ILE:HA	8	0.18	0.01	0.18
(1,1530)	1:2:A:ILE:HG23	1:2:A:ILE:HA	8	0.18	0.01	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1534)	1:2:A:ILE:HG21	1:2:A:ILE:HA	8	0.18	0.01	0.18
(3,1534)	1:2:A:ILE:HG22	1:2:A:ILE:HA	8	0.18	0.01	0.18
(3,1534)	1:2:A:ILE:HG23	1:2:A:ILE:HA	8	0.18	0.01	0.18
(1,1543)	1:2:A:ILE:HG12	1:2:A:ILE:HA	8	0.16	0.01	0.16
(3,1547)	1:2:A:ILE:HG12	1:2:A:ILE:HA	8	0.16	0.01	0.16
(1,1257)	1:67:A:THR:HG21	1:26:A:SER:HB2	8	0.15	0.02	0.16
(1,1257)	1:67:A:THR:HG22	1:26:A:SER:HB2	8	0.15	0.02	0.16
(1,1257)	1:67:A:THR:HG23	1:26:A:SER:HB2	8	0.15	0.02	0.16
(3,1261)	1:67:A:THR:HG21	1:26:A:SER:HB2	8	0.15	0.02	0.16
(3,1261)	1:67:A:THR:HG22	1:26:A:SER:HB2	8	0.15	0.02	0.16
(3,1261)	1:67:A:THR:HG23	1:26:A:SER:HB2	8	0.15	0.02	0.16
(1,1217)	1:69:A:HIS:H	1:56:A:ASN:H	8	0.12	0.02	0.12
(3,1221)	1:69:A:HIS:H	1:56:A:ASN:H	8	0.12	0.02	0.12
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG21	8	0.12	0.01	0.12
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG22	8	0.12	0.01	0.12
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG23	8	0.12	0.01	0.12
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG21	8	0.12	0.01	0.12
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG22	8	0.12	0.01	0.12
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG23	8	0.12	0.01	0.12
(1,419)	1:69:A:HIS:H	1:54:A:LYS:HA	8	0.11	0.02	0.11
(3,419)	1:69:A:HIS:H	1:54:A:LYS:HA	8	0.11	0.02	0.11
(1,1002)	1:5:A:PHE:H	1:4:A:PRO:HA	7	0.16	0.03	0.15
(3,1003)	1:5:A:PHE:H	1:4:A:PRO:HA	7	0.16	0.03	0.15
(1,2745)	1:86:A:GLU:HG2	1:86:A:GLU:H	7	0.13	0.03	0.13
(1,2745)	1:86:A:GLU:HG3	1:86:A:GLU:H	7	0.13	0.03	0.13
(1,3158)	1:42:A:TRP:HD1	1:41:A:THR:HA	7	0.13	0.02	0.12
(3,3164)	1:42:A:TRP:HD1	1:41:A:THR:HA	7	0.13	0.02	0.12
(1,111)	1:63:A:CYS:H	1:60:A:ASP:H	7	0.12	0.02	0.12
(3,113)	1:63:A:CYS:H	1:60:A:ASP:H	7	0.12	0.02	0.12
(1,365)	1:18:A:ASN:H	1:18:A:ASN:HB2	6	0.24	0.01	0.24
(3,365)	1:18:A:ASN:H	1:18:A:ASN:HB2	6	0.24	0.01	0.24
(1,2879)	1:102:A:ARG:HD3	1:102:A:ARG:HG2	6	0.21	0.0	0.21
(3,2886)	1:102:A:ARG:HD3	1:102:A:ARG:HG2	6	0.21	0.0	0.21
(1,919)	1:37:A:ASP:H	1:36:A:ASP:HB2	6	0.2	0.03	0.21
(1,2598)	1:36:A:ASP:HB2	1:37:A:ASP:H	6	0.2	0.03	0.21
(3,920)	1:37:A:ASP:H	1:36:A:ASP:HB2	6	0.2	0.03	0.21
(3,2602)	1:36:A:ASP:HB2	1:37:A:ASP:H	6	0.2	0.03	0.21
(1,684)	1:23:A:GLU:H	1:23:A:GLU:HB3	6	0.17	0.0	0.17
(3,684)	1:23:A:GLU:H	1:23:A:GLU:HB3	6	0.17	0.0	0.17
(1,2237)	1:18:A:ASN:HB2	1:18:A:ASN:H	6	0.14	0.01	0.14
(3,2240)	1:18:A:ASN:HB2	1:18:A:ASN:H	6	0.14	0.01	0.14
(1,2087)	1:85:A:LEU:HD11	1:39:A:ILE:H	6	0.14	0.03	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2087)	1:85:A:LEU:HD12	1:39:A:ILE:H	6	0.14	0.03	0.13
(1,2087)	1:85:A:LEU:HD13	1:39:A:ILE:H	6	0.14	0.03	0.13
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG21	6	0.13	0.01	0.13
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG22	6	0.13	0.01	0.13
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG23	6	0.13	0.01	0.13
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG21	6	0.13	0.01	0.13
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG22	6	0.13	0.01	0.13
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG23	6	0.13	0.01	0.13
(1,2942)	1:90:A:GLU:HA	1:84:A:ARG:HA	6	0.12	0.02	0.12
(3,2949)	1:90:A:GLU:HA	1:84:A:ARG:HA	6	0.12	0.02	0.12
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD11	6	0.12	0.02	0.11
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD12	6	0.12	0.02	0.11
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD13	6	0.12	0.02	0.11
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD11	6	0.12	0.02	0.11
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD12	6	0.12	0.02	0.11
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD13	6	0.12	0.02	0.11
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD11	6	0.12	0.02	0.11
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD12	6	0.12	0.02	0.11
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD13	6	0.12	0.02	0.11
(1,1903)	1:66:A:MET:HE1	1:79:A:TYR:HA	6	0.12	0.02	0.11
(1,1903)	1:66:A:MET:HE2	1:79:A:TYR:HA	6	0.12	0.02	0.11
(1,1903)	1:66:A:MET:HE3	1:79:A:TYR:HA	6	0.12	0.02	0.11
(1,1994)	1:21:A:VAL:HG11	1:25:A:GLN:HG3	6	0.12	0.01	0.11
(1,1994)	1:21:A:VAL:HG12	1:25:A:GLN:HG3	6	0.12	0.01	0.11
(1,1994)	1:21:A:VAL:HG13	1:25:A:GLN:HG3	6	0.12	0.01	0.11
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD11	6	0.12	0.02	0.11
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD12	6	0.12	0.02	0.11
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD13	6	0.12	0.02	0.11
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD11	6	0.12	0.02	0.11
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD12	6	0.12	0.02	0.11
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD13	6	0.12	0.02	0.11
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD11	6	0.12	0.02	0.11
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD12	6	0.12	0.02	0.11
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD13	6	0.12	0.02	0.11
(3,1906)	1:66:A:MET:HE1	1:79:A:TYR:HA	6	0.12	0.02	0.11
(3,1906)	1:66:A:MET:HE2	1:79:A:TYR:HA	6	0.12	0.02	0.11
(3,1906)	1:66:A:MET:HE3	1:79:A:TYR:HA	6	0.12	0.02	0.11
(3,1997)	1:21:A:VAL:HG11	1:25:A:GLN:HG3	6	0.12	0.01	0.11
(3,1997)	1:21:A:VAL:HG12	1:25:A:GLN:HG3	6	0.12	0.01	0.11
(3,1997)	1:21:A:VAL:HG13	1:25:A:GLN:HG3	6	0.12	0.01	0.11
(1,1204)	1:42:A:TRP:H	1:57:A:PHE:HE1	6	0.11	0.01	0.11
(1,1204)	1:42:A:TRP:H	1:57:A:PHE:HE2	6	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1208)	1:42:A:TRP:H	1:57:A:PHE:HE1	6	0.11	0.01	0.11
(3,1208)	1:42:A:TRP:H	1:57:A:PHE:HE2	6	0.11	0.01	0.11
(1,1208)	1:56:A:ASN:H	1:66:A:MET:HG2	6	0.11	0.01	0.11
(3,1212)	1:56:A:ASN:H	1:66:A:MET:HG2	6	0.11	0.01	0.11
(1,826)	1:17:A:GLN:H	1:17:A:GLN:HG2	5	0.24	0.01	0.24
(3,826)	1:17:A:GLN:H	1:17:A:GLN:HG2	5	0.24	0.01	0.24
(1,3199)	1:43:A:TYR:HD1	1:80:A:SER:HB2	5	0.19	0.04	0.18
(1,3199)	1:43:A:TYR:HD2	1:80:A:SER:HB2	5	0.19	0.04	0.18
(3,3205)	1:43:A:TYR:HD1	1:80:A:SER:HB2	5	0.19	0.04	0.18
(3,3205)	1:43:A:TYR:HD2	1:80:A:SER:HB2	5	0.19	0.04	0.18
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG11	5	0.16	0.02	0.16
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG12	5	0.16	0.02	0.16
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG13	5	0.16	0.02	0.16
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG11	5	0.16	0.02	0.16
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG12	5	0.16	0.02	0.16
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG13	5	0.16	0.02	0.16
(1,368)	1:18:A:ASN:H	1:17:A:GLN:HB3	5	0.15	0.01	0.15
(3,368)	1:18:A:ASN:H	1:17:A:GLN:HB3	5	0.15	0.01	0.15
(1,591)	1:3:A:ASP:H	1:3:A:ASP:HA	5	0.15	0.01	0.15
(3,591)	1:3:A:ASP:H	1:3:A:ASP:HA	5	0.15	0.01	0.15
(1,410)	1:96:A:GLU:H	1:18:A:ASN:HD21	5	0.14	0.03	0.14
(3,410)	1:96:A:GLU:H	1:18:A:ASN:HD21	5	0.14	0.03	0.14
(1,2929)	1:17:A:GLN:HG2	1:17:A:GLN:H	5	0.14	0.01	0.14
(3,2936)	1:17:A:GLN:HG2	1:17:A:GLN:H	5	0.14	0.01	0.14
(1,25)	1:89:A:GLY:H	1:88:A:ARG:HB3	5	0.14	0.02	0.13
(3,25)	1:89:A:GLY:H	1:88:A:ARG:HB3	5	0.14	0.02	0.13
(1,1679)	1:85:A:LEU:HD11	1:35:A:PHE:HD1	5	0.13	0.02	0.13
(1,1679)	1:85:A:LEU:HD11	1:35:A:PHE:HD2	5	0.13	0.02	0.13
(1,1679)	1:85:A:LEU:HD12	1:35:A:PHE:HD1	5	0.13	0.02	0.13
(1,1679)	1:85:A:LEU:HD12	1:35:A:PHE:HD2	5	0.13	0.02	0.13
(1,1679)	1:85:A:LEU:HD13	1:35:A:PHE:HD1	5	0.13	0.02	0.13
(1,1679)	1:85:A:LEU:HD13	1:35:A:PHE:HD2	5	0.13	0.02	0.13
(3,1683)	1:85:A:LEU:HD11	1:35:A:PHE:HD1	5	0.13	0.02	0.13
(3,1683)	1:85:A:LEU:HD11	1:35:A:PHE:HD2	5	0.13	0.02	0.13
(3,1683)	1:85:A:LEU:HD12	1:35:A:PHE:HD1	5	0.13	0.02	0.13
(3,1683)	1:85:A:LEU:HD12	1:35:A:PHE:HD2	5	0.13	0.02	0.13
(3,1683)	1:85:A:LEU:HD13	1:35:A:PHE:HD1	5	0.13	0.02	0.13
(3,1683)	1:85:A:LEU:HD13	1:35:A:PHE:HD2	5	0.13	0.02	0.13
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD21	5	0.13	0.01	0.13
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD22	5	0.13	0.01	0.13
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD23	5	0.13	0.01	0.13
(1,1289)	1:40:A:VAL:HG21	1:42:A:TRP:HE1	5	0.13	0.01	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1289)	1:40:A:VAL:HG22	1:42:A:TRP:HE1	5	0.13	0.01	0.13
(1,1289)	1:40:A:VAL:HG23	1:42:A:TRP:HE1	5	0.13	0.01	0.13
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD21	5	0.13	0.01	0.13
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD22	5	0.13	0.01	0.13
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD23	5	0.13	0.01	0.13
(3,1293)	1:40:A:VAL:HG21	1:42:A:TRP:HE1	5	0.13	0.01	0.13
(3,1293)	1:40:A:VAL:HG22	1:42:A:TRP:HE1	5	0.13	0.01	0.13
(3,1293)	1:40:A:VAL:HG23	1:42:A:TRP:HE1	5	0.13	0.01	0.13
(1,393)	1:77:A:GLY:H	1:96:A:GLU:HA	5	0.12	0.02	0.12
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB1	5	0.12	0.02	0.12
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB2	5	0.12	0.02	0.12
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB3	5	0.12	0.02	0.12
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB1	5	0.12	0.02	0.12
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB2	5	0.12	0.02	0.12
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB3	5	0.12	0.02	0.12
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB1	5	0.12	0.02	0.12
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB2	5	0.12	0.02	0.12
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB3	5	0.12	0.02	0.12
(3,393)	1:77:A:GLY:H	1:96:A:GLU:HA	5	0.12	0.02	0.12
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB1	5	0.12	0.02	0.12
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB2	5	0.12	0.02	0.12
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB3	5	0.12	0.02	0.12
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB1	5	0.12	0.02	0.12
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB2	5	0.12	0.02	0.12
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB3	5	0.12	0.02	0.12
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB1	5	0.12	0.02	0.12
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB2	5	0.12	0.02	0.12
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB3	5	0.12	0.02	0.12
(1,2070)	1:97:A:LEU:HB2	1:19:A:ILE:HB	5	0.12	0.03	0.11
(3,2075)	1:97:A:LEU:HB2	1:19:A:ILE:HB	5	0.12	0.03	0.11
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	5	0.11	0.01	0.11
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	5	0.11	0.01	0.11
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	5	0.11	0.01	0.11
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	5	0.11	0.01	0.11
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	5	0.11	0.01	0.11
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	5	0.11	0.01	0.11
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	5	0.11	0.01	0.11
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	5	0.11	0.01	0.11
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	5	0.11	0.01	0.11
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	5	0.11	0.01	0.11
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	5	0.11	0.01	0.11
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	5	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	5	0.11	0.01	0.11
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	5	0.11	0.01	0.11
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	5	0.11	0.01	0.11
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	5	0.11	0.01	0.11
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	5	0.11	0.01	0.11
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	5	0.11	0.01	0.11
(1,3009)	1:102:A:ARG:HD3	1:102:A:ARG:HB2	5	0.11	0.01	0.11
(3,3017)	1:102:A:ARG:HD3	1:102:A:ARG:HB2	5	0.11	0.01	0.11
(1,1536)	1:39:A:ILE:HD11	1:40:A:VAL:H	4	0.23	0.01	0.22
(1,1536)	1:39:A:ILE:HD12	1:40:A:VAL:H	4	0.23	0.01	0.22
(1,1536)	1:39:A:ILE:HD13	1:40:A:VAL:H	4	0.23	0.01	0.22
(3,1540)	1:39:A:ILE:HD11	1:40:A:VAL:H	4	0.23	0.01	0.22
(3,1540)	1:39:A:ILE:HD12	1:40:A:VAL:H	4	0.23	0.01	0.22
(3,1540)	1:39:A:ILE:HD13	1:40:A:VAL:H	4	0.23	0.01	0.22
(1,786)	1:6:A:THR:H	1:6:A:THR:HG21	4	0.18	0.02	0.18
(1,786)	1:6:A:THR:H	1:6:A:THR:HG22	4	0.18	0.02	0.18
(1,786)	1:6:A:THR:H	1:6:A:THR:HG23	4	0.18	0.02	0.18
(3,786)	1:6:A:THR:H	1:6:A:THR:HG21	4	0.18	0.02	0.18
(3,786)	1:6:A:THR:H	1:6:A:THR:HG22	4	0.18	0.02	0.18
(3,786)	1:6:A:THR:H	1:6:A:THR:HG23	4	0.18	0.02	0.18
(1,22)	1:89:A:GLY:H	1:85:A:LEU:H	4	0.17	0.02	0.16
(1,2076)	1:97:A:LEU:HD11	1:21:A:VAL:HB	4	0.14	0.03	0.13
(1,2076)	1:97:A:LEU:HD12	1:21:A:VAL:HB	4	0.14	0.03	0.13
(1,2076)	1:97:A:LEU:HD13	1:21:A:VAL:HB	4	0.14	0.03	0.13
(3,2081)	1:97:A:LEU:HD11	1:21:A:VAL:HB	4	0.14	0.03	0.13
(3,2081)	1:97:A:LEU:HD12	1:21:A:VAL:HB	4	0.14	0.03	0.13
(3,2081)	1:97:A:LEU:HD13	1:21:A:VAL:HB	4	0.14	0.03	0.13
(1,314)	1:63:A:CYS:H	1:64:A:HIS:HD2	4	0.13	0.03	0.13
(1,1064)	1:71:A:VAL:H	1:25:A:GLN:H	4	0.13	0.02	0.12
(3,314)	1:63:A:CYS:H	1:64:A:HIS:HD2	4	0.13	0.03	0.13
(3,1063)	1:71:A:VAL:H	1:25:A:GLN:H	4	0.13	0.02	0.12
(1,2068)	1:94:A:THR:HG21	1:93:A:SER:HA	4	0.13	0.01	0.12
(1,2068)	1:94:A:THR:HG22	1:93:A:SER:HA	4	0.13	0.01	0.12
(1,2068)	1:94:A:THR:HG23	1:93:A:SER:HA	4	0.13	0.01	0.12
(3,2073)	1:94:A:THR:HG21	1:93:A:SER:HA	4	0.13	0.01	0.12
(3,2073)	1:94:A:THR:HG22	1:93:A:SER:HA	4	0.13	0.01	0.12
(3,2073)	1:94:A:THR:HG23	1:93:A:SER:HA	4	0.13	0.01	0.12
(1,1956)	1:72:A:THR:HG21	1:74:A:ASP:HB3	4	0.12	0.02	0.12
(1,1956)	1:72:A:THR:HG22	1:74:A:ASP:HB3	4	0.12	0.02	0.12
(1,1956)	1:72:A:THR:HG23	1:74:A:ASP:HB3	4	0.12	0.02	0.12
(1,2093)	1:88:A:ARG:HD3	1:7:A:ALA:HA	4	0.12	0.01	0.12
(1,2339)	1:26:A:SER:HB3	1:27:A:ALA:H	4	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1959)	1:72:A:THR:HG21	1:74:A:ASP:HB3	4	0.12	0.02	0.12
(3,1959)	1:72:A:THR:HG22	1:74:A:ASP:HB3	4	0.12	0.02	0.12
(3,1959)	1:72:A:THR:HG23	1:74:A:ASP:HB3	4	0.12	0.02	0.12
(3,2342)	1:26:A:SER:HB3	1:27:A:ALA:H	4	0.12	0.01	0.12
(3,3092)	1:7:A:ALA:HB1	1:88:A:ARG:HD3	4	0.12	0.01	0.12
(3,3092)	1:7:A:ALA:HB2	1:88:A:ARG:HD3	4	0.12	0.01	0.12
(3,3092)	1:7:A:ALA:HB3	1:88:A:ARG:HD3	4	0.12	0.01	0.12
(1,915)	1:37:A:ASP:H	1:37:A:ASP:HA	4	0.12	0.01	0.12
(3,916)	1:37:A:ASP:H	1:37:A:ASP:HA	4	0.12	0.01	0.12
(1,2715)	1:48:A:GLU:HA	1:49:A:LEU:HG	4	0.11	0.02	0.11
(3,2719)	1:48:A:GLU:HA	1:49:A:LEU:HG	4	0.11	0.02	0.11
(1,182)	1:11:A:GLN:H	1:10:A:ILE:HD11	4	0.11	0.0	0.11
(1,182)	1:11:A:GLN:H	1:10:A:ILE:HD12	4	0.11	0.0	0.11
(1,182)	1:11:A:GLN:H	1:10:A:ILE:HD13	4	0.11	0.0	0.11
(1,1622)	1:82:A:ILE:HD11	1:83:A:ALA:H	4	0.11	0.01	0.11
(1,1622)	1:82:A:ILE:HD12	1:83:A:ALA:H	4	0.11	0.01	0.11
(1,1622)	1:82:A:ILE:HD13	1:83:A:ALA:H	4	0.11	0.01	0.11
(3,182)	1:11:A:GLN:H	1:10:A:ILE:HD11	4	0.11	0.0	0.11
(3,182)	1:11:A:GLN:H	1:10:A:ILE:HD12	4	0.11	0.0	0.11
(3,182)	1:11:A:GLN:H	1:10:A:ILE:HD13	4	0.11	0.0	0.11
(3,1626)	1:82:A:ILE:HD11	1:83:A:ALA:H	4	0.11	0.01	0.11
(3,1626)	1:82:A:ILE:HD12	1:83:A:ALA:H	4	0.11	0.01	0.11
(3,1626)	1:82:A:ILE:HD13	1:83:A:ALA:H	4	0.11	0.01	0.11
(1,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	4	0.11	0.0	0.11
(3,2917)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	4	0.11	0.0	0.11
(1,2716)	1:48:A:GLU:HA	1:41:A:THR:HG21	4	0.1	0.0	0.1
(1,2716)	1:48:A:GLU:HA	1:41:A:THR:HG22	4	0.1	0.0	0.1
(1,2716)	1:48:A:GLU:HA	1:41:A:THR:HG23	4	0.1	0.0	0.1
(3,2720)	1:48:A:GLU:HA	1:41:A:THR:HG21	4	0.1	0.0	0.1
(3,2720)	1:48:A:GLU:HA	1:41:A:THR:HG22	4	0.1	0.0	0.1
(3,2720)	1:48:A:GLU:HA	1:41:A:THR:HG23	4	0.1	0.0	0.1
(3,1241)	1:13:A:THR:HG21	1:34:A:SER:HB2	3	0.44	0.02	0.44
(3,1241)	1:13:A:THR:HG22	1:34:A:SER:HB2	3	0.44	0.02	0.44
(3,1241)	1:13:A:THR:HG23	1:34:A:SER:HB2	3	0.44	0.02	0.44
(1,1237)	1:13:A:THR:HG21	1:34:A:SER:HB2	3	0.24	0.02	0.24
(1,1237)	1:13:A:THR:HG22	1:34:A:SER:HB2	3	0.24	0.02	0.24
(1,1237)	1:13:A:THR:HG23	1:34:A:SER:HB2	3	0.24	0.02	0.24
(1,2961)	1:44:A:LYS:HE2	1:44:A:LYS:HG2	3	0.22	0.0	0.22
(3,2969)	1:44:A:LYS:HE2	1:44:A:LYS:HG2	3	0.22	0.0	0.22
(1,1535)	1:2:A:ILE:HD11	1:2:A:ILE:HA	3	0.21	0.06	0.2
(1,1535)	1:2:A:ILE:HD12	1:2:A:ILE:HA	3	0.21	0.06	0.2
(1,1535)	1:2:A:ILE:HD13	1:2:A:ILE:HA	3	0.21	0.06	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1539)	1:2:A:ILE:HD11	1:2:A:ILE:HA	3	0.21	0.06	0.2
(3,1539)	1:2:A:ILE:HD12	1:2:A:ILE:HA	3	0.21	0.06	0.2
(3,1539)	1:2:A:ILE:HD13	1:2:A:ILE:HA	3	0.21	0.06	0.2
(1,1125)	1:78:A:VAL:H	1:44:A:LYS:HE2	3	0.15	0.02	0.16
(3,1126)	1:78:A:VAL:H	1:44:A:LYS:HE2	3	0.15	0.02	0.16
(1,2962)	1:44:A:LYS:HE2	1:44:A:LYS:HG3	3	0.15	0.01	0.15
(3,2970)	1:44:A:LYS:HE2	1:44:A:LYS:HG3	3	0.15	0.01	0.15
(1,142)	1:101:A:LEU:H	1:100:A:GLU:HB2	3	0.14	0.02	0.15
(3,144)	1:101:A:LEU:H	1:100:A:GLU:HB2	3	0.14	0.02	0.15
(1,2967)	1:44:A:LYS:HE3	1:44:A:LYS:HD2	3	0.13	0.0	0.13
(3,2975)	1:44:A:LYS:HE3	1:44:A:LYS:HD2	3	0.13	0.0	0.13
(1,2930)	1:17:A:GLN:HG2	1:18:A:ASN:H	3	0.12	0.03	0.1
(3,2937)	1:17:A:GLN:HG2	1:18:A:ASN:H	3	0.12	0.03	0.1
(1,1408)	1:20:A:VAL:HG11	1:100:A:GLU:HA	3	0.12	0.01	0.12
(1,1408)	1:20:A:VAL:HG12	1:100:A:GLU:HA	3	0.12	0.01	0.12
(1,1408)	1:20:A:VAL:HG13	1:100:A:GLU:HA	3	0.12	0.01	0.12
(3,1412)	1:20:A:VAL:HG11	1:100:A:GLU:HA	3	0.12	0.01	0.12
(3,1412)	1:20:A:VAL:HG12	1:100:A:GLU:HA	3	0.12	0.01	0.12
(3,1412)	1:20:A:VAL:HG13	1:100:A:GLU:HA	3	0.12	0.01	0.12
(1,1420)	1:21:A:VAL:HG21	1:19:A:ILE:HD11	3	0.11	0.0	0.11
(1,1420)	1:21:A:VAL:HG21	1:19:A:ILE:HD12	3	0.11	0.0	0.11
(1,1420)	1:21:A:VAL:HG21	1:19:A:ILE:HD13	3	0.11	0.0	0.11
(1,1420)	1:21:A:VAL:HG22	1:19:A:ILE:HD11	3	0.11	0.0	0.11
(1,1420)	1:21:A:VAL:HG22	1:19:A:ILE:HD12	3	0.11	0.0	0.11
(1,1420)	1:21:A:VAL:HG22	1:19:A:ILE:HD13	3	0.11	0.0	0.11
(1,1420)	1:21:A:VAL:HG23	1:19:A:ILE:HD11	3	0.11	0.0	0.11
(1,1420)	1:21:A:VAL:HG23	1:19:A:ILE:HD12	3	0.11	0.0	0.11
(1,1420)	1:21:A:VAL:HG23	1:19:A:ILE:HD13	3	0.11	0.0	0.11
(3,1424)	1:21:A:VAL:HG21	1:19:A:ILE:HD11	3	0.11	0.0	0.11
(3,1424)	1:21:A:VAL:HG21	1:19:A:ILE:HD12	3	0.11	0.0	0.11
(3,1424)	1:21:A:VAL:HG21	1:19:A:ILE:HD13	3	0.11	0.0	0.11
(3,1424)	1:21:A:VAL:HG22	1:19:A:ILE:HD11	3	0.11	0.0	0.11
(3,1424)	1:21:A:VAL:HG22	1:19:A:ILE:HD12	3	0.11	0.0	0.11
(3,1424)	1:21:A:VAL:HG22	1:19:A:ILE:HD13	3	0.11	0.0	0.11
(3,1424)	1:21:A:VAL:HG23	1:19:A:ILE:HD11	3	0.11	0.0	0.11
(3,1424)	1:21:A:VAL:HG23	1:19:A:ILE:HD12	3	0.11	0.0	0.11
(3,1424)	1:21:A:VAL:HG23	1:19:A:ILE:HD13	3	0.11	0.0	0.11
(1,1548)	1:10:A:ILE:HG21	1:83:A:ALA:HB1	3	0.11	0.0	0.11
(1,1548)	1:10:A:ILE:HG21	1:83:A:ALA:HB2	3	0.11	0.0	0.11
(1,1548)	1:10:A:ILE:HG21	1:83:A:ALA:HB3	3	0.11	0.0	0.11
(1,1548)	1:10:A:ILE:HG22	1:83:A:ALA:HB1	3	0.11	0.0	0.11
(1,1548)	1:10:A:ILE:HG22	1:83:A:ALA:HB2	3	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1548)	1:10:A:ILE:HG22	1:83:A:ALA:HB3	3	0.11	0.0	0.11
(1,1548)	1:10:A:ILE:HG23	1:83:A:ALA:HB1	3	0.11	0.0	0.11
(1,1548)	1:10:A:ILE:HG23	1:83:A:ALA:HB2	3	0.11	0.0	0.11
(1,1548)	1:10:A:ILE:HG23	1:83:A:ALA:HB3	3	0.11	0.0	0.11
(1,1654)	1:40:A:VAL:HB	1:39:A:ILE:HA	3	0.11	0.0	0.11
(3,1552)	1:10:A:ILE:HG21	1:83:A:ALA:HB1	3	0.11	0.0	0.11
(3,1552)	1:10:A:ILE:HG21	1:83:A:ALA:HB2	3	0.11	0.0	0.11
(3,1552)	1:10:A:ILE:HG21	1:83:A:ALA:HB3	3	0.11	0.0	0.11
(3,1552)	1:10:A:ILE:HG22	1:83:A:ALA:HB1	3	0.11	0.0	0.11
(3,1552)	1:10:A:ILE:HG22	1:83:A:ALA:HB2	3	0.11	0.0	0.11
(3,1552)	1:10:A:ILE:HG22	1:83:A:ALA:HB3	3	0.11	0.0	0.11
(3,1552)	1:10:A:ILE:HG23	1:83:A:ALA:HB1	3	0.11	0.0	0.11
(3,1552)	1:10:A:ILE:HG23	1:83:A:ALA:HB2	3	0.11	0.0	0.11
(3,1552)	1:10:A:ILE:HG23	1:83:A:ALA:HB3	3	0.11	0.0	0.11
(3,1658)	1:40:A:VAL:HB	1:39:A:ILE:HA	3	0.11	0.0	0.11
(1,1696)	1:101:A:LEU:HD21	1:101:A:LEU:HB3	3	0.1	0.0	0.1
(1,1696)	1:101:A:LEU:HD22	1:101:A:LEU:HB3	3	0.1	0.0	0.1
(1,1696)	1:101:A:LEU:HD23	1:101:A:LEU:HB3	3	0.1	0.0	0.1
(3,1700)	1:101:A:LEU:HD21	1:101:A:LEU:HB3	3	0.1	0.0	0.1
(3,1700)	1:101:A:LEU:HD22	1:101:A:LEU:HB3	3	0.1	0.0	0.1
(3,1700)	1:101:A:LEU:HD23	1:101:A:LEU:HB3	3	0.1	0.0	0.1
(1,2672)	1:25:A:GLN:HG3	1:22:A:SER:HB2	2	0.26	0.03	0.26
(3,2676)	1:25:A:GLN:HG3	1:22:A:SER:HB2	2	0.26	0.03	0.26
(1,2916)	1:22:A:SER:HB2	1:22:A:SER:H	2	0.24	0.0	0.24
(3,2923)	1:22:A:SER:HB2	1:22:A:SER:H	2	0.24	0.0	0.24
(1,669)	1:72:A:THR:H	1:72:A:THR:HG21	2	0.2	0.01	0.2
(1,669)	1:72:A:THR:H	1:72:A:THR:HG22	2	0.2	0.01	0.2
(1,669)	1:72:A:THR:H	1:72:A:THR:HG23	2	0.2	0.01	0.2
(1,2613)	1:74:A:ASP:HB2	1:74:A:ASP:HA	2	0.2	0.01	0.2
(3,669)	1:72:A:THR:H	1:72:A:THR:HG21	2	0.2	0.01	0.2
(3,669)	1:72:A:THR:H	1:72:A:THR:HG22	2	0.2	0.01	0.2
(3,669)	1:72:A:THR:H	1:72:A:THR:HG23	2	0.2	0.01	0.2
(3,2617)	1:74:A:ASP:HB2	1:74:A:ASP:HA	2	0.2	0.01	0.2
(1,783)	1:74:A:ASP:H	1:74:A:ASP:HB3	2	0.18	0.0	0.18
(1,2215)	1:56:A:ASN:HA	1:56:A:ASN:HD21	2	0.18	0.02	0.18
(1,2615)	1:74:A:ASP:HB3	1:74:A:ASP:H	2	0.18	0.0	0.18
(3,783)	1:74:A:ASP:H	1:74:A:ASP:HB3	2	0.18	0.0	0.18
(3,2218)	1:56:A:ASN:HA	1:56:A:ASN:HD21	2	0.18	0.02	0.18
(3,2619)	1:74:A:ASP:HB3	1:74:A:ASP:H	2	0.18	0.0	0.18
(1,136)	1:39:A:ILE:H	1:10:A:ILE:HD11	2	0.14	0.0	0.14
(1,136)	1:39:A:ILE:H	1:10:A:ILE:HD12	2	0.14	0.0	0.14
(1,136)	1:39:A:ILE:H	1:10:A:ILE:HD13	2	0.14	0.0	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1043)	1:26:A:SER:H	1:26:A:SER:HB3	2	0.14	0.0	0.14
(1,1966)	1:36:A:ASP:HB3	1:62:A:ARG:HA	2	0.14	0.02	0.14
(3,138)	1:39:A:ILE:H	1:10:A:ILE:HD11	2	0.14	0.0	0.14
(3,138)	1:39:A:ILE:H	1:10:A:ILE:HD12	2	0.14	0.0	0.14
(3,138)	1:39:A:ILE:H	1:10:A:ILE:HD13	2	0.14	0.0	0.14
(3,1042)	1:26:A:SER:H	1:26:A:SER:HB3	2	0.14	0.0	0.14
(3,1969)	1:36:A:ASP:HB3	1:62:A:ARG:HA	2	0.14	0.02	0.14
(1,672)	1:72:A:THR:H	1:73:A:PRO:HD2	2	0.14	0.02	0.14
(1,2136)	1:67:A:THR:HB	1:56:A:ASN:HB2	2	0.14	0.01	0.14
(3,672)	1:72:A:THR:H	1:73:A:PRO:HD2	2	0.14	0.02	0.14
(3,2139)	1:67:A:THR:HB	1:56:A:ASN:HB2	2	0.14	0.01	0.14
(1,683)	1:23:A:GLU:H	1:22:A:SER:HB3	2	0.13	0.01	0.13
(3,683)	1:23:A:GLU:H	1:22:A:SER:HB3	2	0.13	0.01	0.13
(1,875)	1:8:A:GLU:H	1:7:A:ALA:HB1	2	0.12	0.02	0.12
(1,875)	1:8:A:GLU:H	1:7:A:ALA:HB2	2	0.12	0.02	0.12
(1,875)	1:8:A:GLU:H	1:7:A:ALA:HB3	2	0.12	0.02	0.12
(1,1248)	1:28:A:THR:HG21	1:67:A:THR:HG21	2	0.12	0.02	0.12
(1,1248)	1:28:A:THR:HG21	1:67:A:THR:HG22	2	0.12	0.02	0.12
(1,1248)	1:28:A:THR:HG21	1:67:A:THR:HG23	2	0.12	0.02	0.12
(1,1248)	1:28:A:THR:HG22	1:67:A:THR:HG21	2	0.12	0.02	0.12
(1,1248)	1:28:A:THR:HG22	1:67:A:THR:HG22	2	0.12	0.02	0.12
(1,1248)	1:28:A:THR:HG22	1:67:A:THR:HG23	2	0.12	0.02	0.12
(1,1248)	1:28:A:THR:HG23	1:67:A:THR:HG21	2	0.12	0.02	0.12
(1,1248)	1:28:A:THR:HG23	1:67:A:THR:HG22	2	0.12	0.02	0.12
(1,1248)	1:28:A:THR:HG23	1:67:A:THR:HG23	2	0.12	0.02	0.12
(1,1863)	1:7:A:ALA:HB1	1:8:A:GLU:H	2	0.12	0.02	0.12
(1,1863)	1:7:A:ALA:HB2	1:8:A:GLU:H	2	0.12	0.02	0.12
(1,1863)	1:7:A:ALA:HB3	1:8:A:GLU:H	2	0.12	0.02	0.12
(3,875)	1:8:A:GLU:H	1:7:A:ALA:HB1	2	0.12	0.02	0.12
(3,875)	1:8:A:GLU:H	1:7:A:ALA:HB2	2	0.12	0.02	0.12
(3,875)	1:8:A:GLU:H	1:7:A:ALA:HB3	2	0.12	0.02	0.12
(3,1252)	1:28:A:THR:HG21	1:67:A:THR:HG21	2	0.12	0.02	0.12
(3,1252)	1:28:A:THR:HG21	1:67:A:THR:HG22	2	0.12	0.02	0.12
(3,1252)	1:28:A:THR:HG21	1:67:A:THR:HG23	2	0.12	0.02	0.12
(3,1252)	1:28:A:THR:HG22	1:67:A:THR:HG21	2	0.12	0.02	0.12
(3,1252)	1:28:A:THR:HG22	1:67:A:THR:HG22	2	0.12	0.02	0.12
(3,1252)	1:28:A:THR:HG22	1:67:A:THR:HG23	2	0.12	0.02	0.12
(3,1252)	1:28:A:THR:HG23	1:67:A:THR:HG21	2	0.12	0.02	0.12
(3,1252)	1:28:A:THR:HG23	1:67:A:THR:HG22	2	0.12	0.02	0.12
(3,1252)	1:28:A:THR:HG23	1:67:A:THR:HG23	2	0.12	0.02	0.12
(3,1866)	1:7:A:ALA:HB1	1:8:A:GLU:H	2	0.12	0.02	0.12
(3,1866)	1:7:A:ALA:HB2	1:8:A:GLU:H	2	0.12	0.02	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1866)	1:7:A:ALA:HB3	1:8:A:GLU:H	2	0.12	0.02	0.12
(1,1623)	1:82:A:ILE:HG21	1:84:A:ARG:HG2	2	0.12	0.01	0.12
(1,1623)	1:82:A:ILE:HG22	1:84:A:ARG:HG2	2	0.12	0.01	0.12
(1,1623)	1:82:A:ILE:HG23	1:84:A:ARG:HG2	2	0.12	0.01	0.12
(1,3104)	1:79:A:TYR:HE1	1:66:A:MET:HE1	2	0.12	0.0	0.12
(1,3104)	1:79:A:TYR:HE1	1:66:A:MET:HE2	2	0.12	0.0	0.12
(1,3104)	1:79:A:TYR:HE1	1:66:A:MET:HE3	2	0.12	0.0	0.12
(1,3104)	1:79:A:TYR:HE2	1:66:A:MET:HE1	2	0.12	0.0	0.12
(1,3104)	1:79:A:TYR:HE2	1:66:A:MET:HE2	2	0.12	0.0	0.12
(1,3104)	1:79:A:TYR:HE2	1:66:A:MET:HE3	2	0.12	0.0	0.12
(3,1627)	1:82:A:ILE:HG21	1:84:A:ARG:HG2	2	0.12	0.01	0.12
(3,1627)	1:82:A:ILE:HG22	1:84:A:ARG:HG2	2	0.12	0.01	0.12
(3,1627)	1:82:A:ILE:HG23	1:84:A:ARG:HG2	2	0.12	0.01	0.12
(3,3110)	1:79:A:TYR:HE1	1:66:A:MET:HE1	2	0.12	0.0	0.12
(3,3110)	1:79:A:TYR:HE1	1:66:A:MET:HE2	2	0.12	0.0	0.12
(3,3110)	1:79:A:TYR:HE1	1:66:A:MET:HE3	2	0.12	0.0	0.12
(3,3110)	1:79:A:TYR:HE2	1:66:A:MET:HE1	2	0.12	0.0	0.12
(3,3110)	1:79:A:TYR:HE2	1:66:A:MET:HE2	2	0.12	0.0	0.12
(3,3110)	1:79:A:TYR:HE2	1:66:A:MET:HE3	2	0.12	0.0	0.12
(1,1725)	1:38:A:ALA:HB1	1:83:A:ALA:HA	2	0.12	0.02	0.12
(1,1725)	1:38:A:ALA:HB2	1:83:A:ALA:HA	2	0.12	0.02	0.12
(1,1725)	1:38:A:ALA:HB3	1:83:A:ALA:HA	2	0.12	0.02	0.12
(3,1728)	1:38:A:ALA:HB1	1:83:A:ALA:HA	2	0.12	0.02	0.12
(3,1728)	1:38:A:ALA:HB2	1:83:A:ALA:HA	2	0.12	0.02	0.12
(3,1728)	1:38:A:ALA:HB3	1:83:A:ALA:HA	2	0.12	0.02	0.12
(1,1037)	1:56:A:ASN:HD22	1:56:A:ASN:HA	2	0.12	0.0	0.12
(1,2054)	1:78:A:VAL:HG11	1:96:A:GLU:HG2	2	0.12	0.0	0.12
(1,2054)	1:78:A:VAL:HG12	1:96:A:GLU:HG2	2	0.12	0.0	0.12
(1,2054)	1:78:A:VAL:HG13	1:96:A:GLU:HG2	2	0.12	0.0	0.12
(3,1036)	1:56:A:ASN:HD22	1:56:A:ASN:HA	2	0.12	0.0	0.12
(3,2059)	1:78:A:VAL:HG11	1:96:A:GLU:HG2	2	0.12	0.0	0.12
(3,2059)	1:78:A:VAL:HG12	1:96:A:GLU:HG2	2	0.12	0.0	0.12
(3,2059)	1:78:A:VAL:HG13	1:96:A:GLU:HG2	2	0.12	0.0	0.12
(1,24)	1:89:A:GLY:H	1:9:A:PRO:HB3	2	0.11	0.0	0.11
(1,813)	1:25:A:GLN:H	1:25:A:GLN:HG3	2	0.11	0.0	0.11
(1,1130)	1:40:A:VAL:H	1:83:A:ALA:HB1	2	0.11	0.0	0.11
(1,1130)	1:40:A:VAL:H	1:83:A:ALA:HB2	2	0.11	0.0	0.11
(1,1130)	1:40:A:VAL:H	1:83:A:ALA:HB3	2	0.11	0.0	0.11
(3,24)	1:89:A:GLY:H	1:9:A:PRO:HB3	2	0.11	0.0	0.11
(3,813)	1:25:A:GLN:H	1:25:A:GLN:HG3	2	0.11	0.0	0.11
(3,1131)	1:40:A:VAL:H	1:83:A:ALA:HB1	2	0.11	0.0	0.11
(3,1131)	1:40:A:VAL:H	1:83:A:ALA:HB2	2	0.11	0.0	0.11

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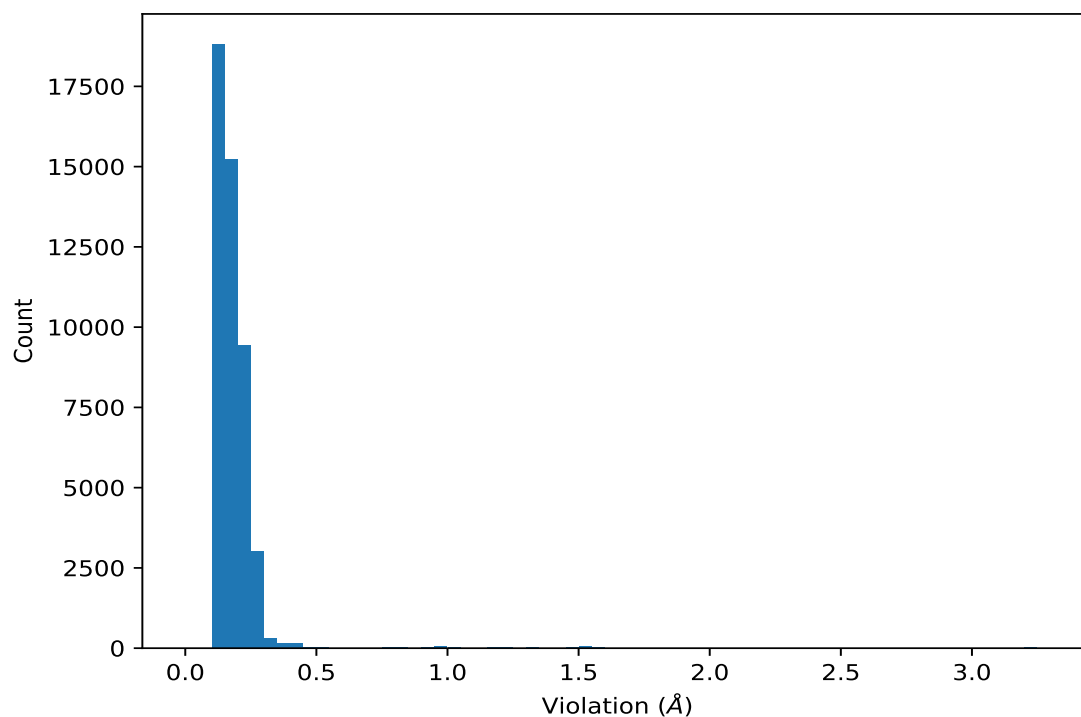
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,1131)	1:40:A:VAL:H	1:83:A:ALA:HB3	2	0.11	0.0	0.11
(1,3183)	1:43:A:TYR:HE1	1:82:A:ILE:HG13	2	0.1	0.0	0.1
(1,3183)	1:43:A:TYR:HE2	1:82:A:ILE:HG13	2	0.1	0.0	0.1
(3,2981)	1:88:A:ARG:HD2	1:35:A:PHE:HD1	2	0.1	0.0	0.1
(3,2981)	1:88:A:ARG:HD2	1:35:A:PHE:HD2	2	0.1	0.0	0.1
(3,3189)	1:43:A:TYR:HE1	1:82:A:ILE:HG13	2	0.1	0.0	0.1
(3,3189)	1:43:A:TYR:HE2	1:82:A:ILE:HG13	2	0.1	0.0	0.1

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	16	3.29
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	3	3.27
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	18	3.27
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	19	3.27
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	9	3.26
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	11	3.26
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	12	3.26
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	13	3.26
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	6	3.24
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	7	3.24
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	10	3.24
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	14	3.24
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	15	3.24
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	17	3.24
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	1	3.23
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	5	3.23
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	20	3.23
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	4	3.22
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	8	3.22
(3,34)	1:88:A:ARG:H	1:86:A:GLU:HA	2	3.2
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	2	3.07
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	20	3.06
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	20	2.89
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	2	2.84
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	9	2.67
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	9	2.58
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	9	2.44
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	6	2.43
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	11	2.43
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	16	2.43
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	13	2.42
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	18	2.42
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	7	2.4
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	10	2.38
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	4	2.37
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	14	2.36
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	1	2.35
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	5	2.33
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	8	2.32
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	7	2.31
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	10	2.3
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	6	2.29
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	13	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	1	2.27
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	13	2.26
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	1	2.25
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	5	2.25
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	8	2.25
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	16	2.25
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	6	2.24
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	18	2.24
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	18	2.23
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	4	2.23
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	11	2.23
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	14	2.22
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	4	2.21
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	11	2.21
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	5	2.2
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	8	2.18
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	10	2.17
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	14	2.17
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	16	2.17
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	7	2.16
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	2	2.07
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	20	2.03
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	12	1.87
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	17	1.82
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	19	1.77
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	3	1.76
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	15	1.74
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	3	1.64
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	3	1.64
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	12	1.63
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	12	1.63
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	19	1.62
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	19	1.62
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	29	1.61
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	29	1.61
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	29	1.61
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	19	1.59
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	19	1.59
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	19	1.59
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	33	1.57
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	33	1.57
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	33	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	1	1.56
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	1	1.56
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	1	1.56
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	16	1.56
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	16	1.56
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	16	1.56
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	17	1.56
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	17	1.56
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	17	1.56
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	23	1.56
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	23	1.56
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	23	1.56
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	3	1.55
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	3	1.55
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	3	1.55
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	6	1.55
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	6	1.55
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	6	1.55
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	12	1.55
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	12	1.55
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	12	1.55
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	37	1.55
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	37	1.55
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	37	1.55
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	2	1.54
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	2	1.54
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	2	1.54
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	35	1.54
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	35	1.54
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	35	1.54
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	15	1.54
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	15	1.54
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	5	1.53
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	5	1.53
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	5	1.53
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	9	1.53
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	9	1.53
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	9	1.53
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	22	1.53
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	22	1.53
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	22	1.53
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	26	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	26	1.53
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	26	1.53
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	31	1.53
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	31	1.53
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	31	1.53
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	36	1.53
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	36	1.53
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	36	1.53
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	12	1.52
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	12	1.52
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	7	1.52
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	7	1.52
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	7	1.52
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	10	1.52
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	10	1.52
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	10	1.52
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	14	1.52
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	14	1.52
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	14	1.52
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	15	1.52
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	15	1.52
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	15	1.52
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	20	1.52
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	20	1.52
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	20	1.52
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	28	1.52
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	28	1.52
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	28	1.52
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	11	1.51
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	11	1.51
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	11	1.51
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	13	1.51
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	13	1.51
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	13	1.51
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	27	1.51
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	27	1.51
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	27	1.51
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	40	1.51
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	40	1.51
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	40	1.51
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	17	1.51
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	17	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	4	1.5
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	4	1.5
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	4	1.5
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	8	1.5
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	8	1.5
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	8	1.5
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	18	1.5
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	18	1.5
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	18	1.5
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	30	1.5
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	30	1.5
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	30	1.5
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	25	1.49
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	25	1.49
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	25	1.49
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	34	1.49
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	34	1.49
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	34	1.49
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	39	1.49
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	39	1.49
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	39	1.49
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	38	1.48
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	38	1.48
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	38	1.48
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	3	1.47
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	3	1.47
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	32	1.47
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	32	1.47
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	32	1.47
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	15	1.46
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	15	1.46
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	17	1.46
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	17	1.46
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	21	1.46
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	21	1.46
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	21	1.46
(3,1673)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	24	1.46
(3,1673)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	24	1.46
(3,1673)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	24	1.46
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	19	1.45
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	19	1.45
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	13	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	6	1.44
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	9	1.44
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	10	1.44
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	12	1.44
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	7	1.43
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	1	1.39
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	18	1.39
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	2	1.37
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	5	1.37
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	15	1.36
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	16	1.36
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	4	1.34
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	8	1.34
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	11	1.34
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	20	1.34
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	3	1.33
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	19	1.33
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	9	1.31
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	9	1.31
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	14	1.31
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	6	1.3
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	6	1.3
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	7	1.3
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	7	1.3
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	13	1.29
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	13	1.29
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	17	1.29
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	10	1.27
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	10	1.27
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	1	1.24
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	1	1.24
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	11	1.24
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	11	1.24
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	16	1.24
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	16	1.24
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	14	1.23
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	14	1.23
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	8	1.22
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	8	1.22
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	4	1.21
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	4	1.21
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	5	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	5	1.21
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	18	1.21
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	18	1.21
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	7	1.21
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	7	1.21
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	9	1.19
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	9	1.19
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	2	1.18
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	2	1.18
(3,2753)	1:86:A:GLU:HB2	1:87:A:PRO:HA	20	1.18
(3,2753)	1:86:A:GLU:HB3	1:87:A:PRO:HA	20	1.18
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	6	1.16
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	6	1.16
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	10	1.16
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	10	1.16
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	16	1.16
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	16	1.16
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	11	1.13
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	11	1.13
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	13	1.13
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	13	1.13
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	20	1.11
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	20	1.11
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	5	1.11
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	18	1.09
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	18	1.09
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	4	1.07
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	2	1.06
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	2	1.06
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	14	1.06
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	14	1.06
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	1	1.06
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	8	1.05
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	4	1.04
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	4	1.04
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	8	1.01
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	8	1.01
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	27	1.0
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	27	1.0
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	27	1.0
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	29	1.0
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	29	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	29	1.0
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	1	1.0
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	1	1.0
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	9	0.99
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	22	0.98
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	22	0.98
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	22	0.98
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	23	0.98
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	23	0.98
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	23	0.98
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	31	0.98
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	31	0.98
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	31	0.98
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	35	0.98
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	35	0.98
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	35	0.98
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB2	5	0.98
(3,33)	1:88:A:ARG:H	1:86:A:GLU:HB3	5	0.98
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	6	0.98
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	20	0.98
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	25	0.97
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	25	0.97
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	25	0.97
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	33	0.97
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	33	0.97
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	33	0.97
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	39	0.97
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	39	0.97
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	39	0.97
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	12	0.97
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	3	0.97
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	12	0.97
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	26	0.96
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	26	0.96
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	26	0.96
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	28	0.96
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	28	0.96
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	28	0.96
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	36	0.96
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	36	0.96
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	36	0.96
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	37	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	37	0.96
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	37	0.96
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	40	0.96
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	40	0.96
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	40	0.96
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	24	0.95
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	24	0.95
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	24	0.95
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	32	0.95
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	32	0.95
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	32	0.95
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	38	0.95
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	38	0.95
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	38	0.95
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	21	0.94
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	21	0.94
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	21	0.94
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	30	0.94
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	30	0.94
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	30	0.94
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	3	0.94
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	19	0.94
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	10	0.94
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	16	0.94
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	34	0.93
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	34	0.93
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	34	0.93
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	6	0.93
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	7	0.93
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	7	0.92
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	9	0.91
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	10	0.91
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	15	0.91
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	18	0.91
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	12	0.9
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	13	0.89
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	17	0.88
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	14	0.87
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	2	0.86
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	2	0.86
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	11	0.85
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	2	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	2	0.84
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	2	0.84
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	1	0.84
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	19	0.84
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	27	0.83
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	13	0.83
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	13	0.83
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	13	0.83
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	20	0.83
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	17	0.83
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	15	0.82
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	18	0.82
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	15	0.82
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	14	0.81
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	1	0.8
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	1	0.8
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	1	0.8
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	5	0.8
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	5	0.8
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	5	0.8
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	6	0.8
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	6	0.8
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	6	0.8
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	11	0.8
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	11	0.8
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	11	0.8
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	5	0.8
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	8	0.8
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	16	0.8
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	19	0.8
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	13	0.8
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	16	0.79
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	16	0.79
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	16	0.79
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	3	0.79
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	4	0.79
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	17	0.79
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	4	0.78
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	4	0.78
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	4	0.78
(3,1149)	1:86:A:GLU:H	1:87:A:PRO:HA	11	0.78
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	28	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	10	0.77
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	10	0.77
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	10	0.77
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	14	0.77
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	14	0.77
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	14	0.77
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	19	0.77
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	19	0.77
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	19	0.77
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	29	0.77
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	12	0.76
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	12	0.76
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	12	0.76
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	15	0.76
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	15	0.76
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	15	0.76
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	17	0.76
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	17	0.76
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	17	0.76
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	35	0.76
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	3	0.75
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	3	0.75
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	3	0.75
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	8	0.75
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	8	0.75
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	8	0.75
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	9	0.75
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	9	0.75
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	9	0.75
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	20	0.74
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	20	0.74
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	20	0.74
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	7	0.73
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	7	0.73
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	7	0.73
(3,2069)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	18	0.73
(3,2069)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	18	0.73
(3,2069)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	18	0.73
(3,32)	1:88:A:ARG:H	1:86:A:GLU:HG2	27	0.72
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	11	0.68
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	6	0.57
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	7	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	12	0.57
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	13	0.57
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	9	0.56
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	10	0.55
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	17	0.55
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	1	0.54
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	3	0.54
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	5	0.54
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	8	0.54
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	11	0.54
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	14	0.54
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	16	0.54
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	28	0.53
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	15	0.53
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	19	0.53
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	20	0.53
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	2	0.52
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	4	0.52
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	18	0.52
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	29	0.51
(3,2749)	1:86:A:GLU:HG2	1:87:A:PRO:HA	35	0.51
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	25	0.51
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	27	0.51
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	39	0.5
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	29	0.49
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	38	0.49
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	28	0.48
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	28	0.48
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	28	0.48
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	22	0.48
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	23	0.48
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	24	0.48
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	28	0.48
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	32	0.48
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	34	0.48
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	35	0.48
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	21	0.47
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	30	0.47
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	31	0.47
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	33	0.47
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	36	0.47
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	37	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	40	0.47
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	2	0.46
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	9	0.46
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	11	0.46
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	15	0.46
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	18	0.46
(3,1241)	1:13:A:THR:HG21	1:34:A:SER:HB2	6	0.46
(3,1241)	1:13:A:THR:HG22	1:34:A:SER:HB2	6	0.46
(3,1241)	1:13:A:THR:HG23	1:34:A:SER:HB2	6	0.46
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	10	0.45
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	12	0.45
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	13	0.45
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	16	0.45
(3,37)	1:88:A:ARG:H	1:88:A:ARG:HG2	26	0.45
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	1	0.44
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	4	0.44
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	6	0.44
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	7	0.44
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	14	0.44
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	17	0.44
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	20	0.44
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	8	0.44
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	8	0.44
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	8	0.44
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	16	0.44
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	16	0.44
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	16	0.44
(3,1241)	1:13:A:THR:HG21	1:34:A:SER:HB2	26	0.44
(3,1241)	1:13:A:THR:HG22	1:34:A:SER:HB2	26	0.44
(3,1241)	1:13:A:THR:HG23	1:34:A:SER:HB2	26	0.44
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	3	0.43
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	5	0.43
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	8	0.43
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	19	0.43
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	12	0.43
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	12	0.43
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	12	0.43
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	29	0.43
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	29	0.43
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	29	0.43
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	6	0.43
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	3	0.42
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	3	0.42
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	3	0.42
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	4	0.42
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	4	0.42
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	4	0.42
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	10	0.42
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	10	0.42
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	10	0.42
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	19	0.42
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	19	0.42
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	19	0.42
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	20	0.42
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	20	0.42
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	20	0.42
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	24	0.42
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	24	0.42
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	24	0.42
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	30	0.42
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	30	0.42
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	30	0.42
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	31	0.42
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	31	0.42
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	31	0.42
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	33	0.42
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	33	0.42
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	33	0.42
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	35	0.42
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	35	0.42
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	35	0.42
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	36	0.42
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	36	0.42
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	36	0.42
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	37	0.42
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	37	0.42
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	37	0.42
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	2	0.42
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	27	0.42
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	28	0.42
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	37	0.42
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	2	0.41
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	2	0.41
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	5	0.41
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	5	0.41
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	5	0.41
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	6	0.41
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	6	0.41
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	6	0.41
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	9	0.41
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	9	0.41
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	9	0.41
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	11	0.41
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	11	0.41
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	11	0.41
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	22	0.41
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	22	0.41
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	22	0.41
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	23	0.41
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	23	0.41
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	23	0.41
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	25	0.41
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	25	0.41
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	25	0.41
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	32	0.41
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	32	0.41
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	32	0.41
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	39	0.41
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	39	0.41
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	39	0.41
(3,1241)	1:13:A:THR:HG21	1:34:A:SER:HB2	9	0.41
(3,1241)	1:13:A:THR:HG22	1:34:A:SER:HB2	9	0.41
(3,1241)	1:13:A:THR:HG23	1:34:A:SER:HB2	9	0.41
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	1	0.41
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	21	0.41
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	30	0.41
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	34	0.41
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	29	0.41
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	29	0.41
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	29	0.41
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	1	0.4
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	1	0.4
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	1	0.4
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	7	0.4
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	7	0.4
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	13	0.4
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	13	0.4
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	13	0.4
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	15	0.4
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	15	0.4
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	15	0.4
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	17	0.4
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	17	0.4
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	17	0.4
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	18	0.4
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	18	0.4
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	18	0.4
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	21	0.4
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	21	0.4
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	21	0.4
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	26	0.4
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	26	0.4
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	26	0.4
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	34	0.4
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	34	0.4
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	34	0.4
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	38	0.4
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	38	0.4
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	38	0.4
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	40	0.4
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	40	0.4
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	40	0.4
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	4	0.4
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	23	0.4
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	24	0.4
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	25	0.4
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	26	0.4
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	35	0.4
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	36	0.4
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	27	0.4
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	27	0.4
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	27	0.4
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	29	0.4
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	29	0.4
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	29	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	27	0.39
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	27	0.39
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	27	0.39
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	7	0.39
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	8	0.39
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	16	0.39
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	20	0.39
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	22	0.39
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	33	0.39
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	40	0.39
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	19	0.39
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	19	0.39
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	19	0.39
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	6	0.38
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	6	0.38
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	33	0.38
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	9	0.38
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	12	0.38
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	13	0.38
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	6	0.38
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	6	0.38
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	22	0.38
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	22	0.38
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	22	0.38
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	23	0.38
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	23	0.38
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	23	0.38
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	31	0.38
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	31	0.38
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	31	0.38
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	35	0.38
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	35	0.38
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	35	0.38
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	1	0.37
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	18	0.37
(3,2318)	1:80:A:SER:HA	1:94:A:THR:HG21	28	0.37
(3,2318)	1:80:A:SER:HA	1:94:A:THR:HG22	28	0.37
(3,2318)	1:80:A:SER:HA	1:94:A:THR:HG23	28	0.37
(3,1353)	1:16:A:ILE:HD11	1:17:A:GLN:H	14	0.37
(3,1353)	1:16:A:ILE:HD12	1:17:A:GLN:H	14	0.37
(3,1353)	1:16:A:ILE:HD13	1:17:A:GLN:H	14	0.37
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	18	0.37
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	10	0.37
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	31	0.37
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	18	0.37
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	11	0.37
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	11	0.37
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	1	0.37
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	18	0.37
(1,2315)	1:80:A:SER:HA	1:94:A:THR:HG21	28	0.37
(1,2315)	1:80:A:SER:HA	1:94:A:THR:HG22	28	0.37
(1,2315)	1:80:A:SER:HA	1:94:A:THR:HG23	28	0.37
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	25	0.37
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	25	0.37
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	25	0.37
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	33	0.37
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	33	0.37
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	33	0.37
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	39	0.37
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	39	0.37
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	39	0.37
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	33	0.37
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	33	0.37
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	33	0.37
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	1	0.37
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	18	0.37
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	18	0.37
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	11	0.37
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	11	0.37
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	5	0.36
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	5	0.36
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	5	0.36
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	40	0.36
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	2	0.36
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	9	0.36
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	11	0.36
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	15	0.36
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	18	0.36
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	40	0.36
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	3	0.36
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	7	0.36
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	9	0.36
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	3	0.36
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	5	0.36
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	29	0.36
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	32	0.36
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	38	0.36
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	39	0.36
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	17	0.36
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	5	0.36
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	5	0.36
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	5	0.36
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	40	0.36
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	26	0.36
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	26	0.36
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	26	0.36
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	28	0.36
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	28	0.36
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	28	0.36
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	36	0.36
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	36	0.36
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	36	0.36
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	37	0.36
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	37	0.36
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	37	0.36
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	40	0.36
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	40	0.36
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	40	0.36
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	1	0.36
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	1	0.36
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	1	0.36
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	16	0.36
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	16	0.36
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	16	0.36
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	17	0.36
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	17	0.36
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	17	0.36
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	23	0.36
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	23	0.36
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	23	0.36
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	40	0.36
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	17	0.36
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	15	0.35
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	26	0.35
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	27	0.35
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	29	0.35
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	37	0.35
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	40	0.35
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	10	0.35
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	12	0.35
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	13	0.35
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	16	0.35
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	6	0.35
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	10	0.35
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	13	0.35
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	16	0.35
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	17	0.35
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	19	0.35
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	14	0.35
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	15	0.35
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	15	0.35
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	15	0.35
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	24	0.35
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	24	0.35
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	24	0.35
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	32	0.35
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	32	0.35
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	32	0.35
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	38	0.35
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	38	0.35
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	38	0.35
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	3	0.35
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	3	0.35
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	3	0.35
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	6	0.35
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	6	0.35
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	6	0.35
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	12	0.35
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	12	0.35
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	12	0.35
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	37	0.35
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	37	0.35
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	37	0.35
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	28	0.34
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	30	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	31	0.34
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	34	0.34
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	38	0.34
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	1	0.34
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	4	0.34
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	6	0.34
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	7	0.34
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	14	0.34
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	17	0.34
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	20	0.34
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	2	0.34
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	8	0.34
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	11	0.34
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	14	0.34
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	21	0.34
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	21	0.34
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	21	0.34
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	30	0.34
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	30	0.34
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	30	0.34
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	2	0.34
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	2	0.34
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	2	0.34
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	35	0.34
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	35	0.34
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	35	0.34
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	2	0.33
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	2	0.33
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	21	0.33
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	24	0.33
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	25	0.33
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	36	0.33
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	39	0.33
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	29	0.33
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	3	0.33
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	5	0.33
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	8	0.33
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	19	0.33
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	29	0.33
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	1	0.33
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	4	0.33
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	15	0.33
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	18	0.33
(3,862)	1:86:A:GLU:H	1:85:A:LEU:H	20	0.33
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	18	0.33
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	18	0.33
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	3	0.33
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	3	0.33
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	32	0.33
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	2	0.33
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	2	0.33
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	29	0.33
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	34	0.33
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	34	0.33
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	34	0.33
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	5	0.33
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	5	0.33
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	5	0.33
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	9	0.33
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	9	0.33
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	9	0.33
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	22	0.33
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	22	0.33
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	22	0.33
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	26	0.33
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	26	0.33
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	26	0.33
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	31	0.33
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	31	0.33
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	31	0.33
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	36	0.33
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	36	0.33
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	36	0.33
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	29	0.33
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	18	0.33
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	3	0.33
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	3	0.33
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	14	0.33
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	16	0.33
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	32	0.33
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	22	0.32
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	32	0.32
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	35	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	31	0.32
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	29	0.32
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	16	0.32
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	36	0.32
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	38	0.32
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	33	0.32
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	31	0.32
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	7	0.32
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	7	0.32
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	7	0.32
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	10	0.32
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	10	0.32
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	10	0.32
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	14	0.32
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	14	0.32
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	14	0.32
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	15	0.32
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	15	0.32
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	15	0.32
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	20	0.32
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	20	0.32
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	20	0.32
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	28	0.32
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	28	0.32
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	28	0.32
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	29	0.32
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	16	0.32
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	36	0.32
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	38	0.32
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	12	0.31
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	12	0.31
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	28	0.31
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	29	0.31
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	31	0.31
(3,2649)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	23	0.31
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	21	0.31
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	22	0.31
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	23	0.31
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	24	0.31
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	25	0.31
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	27	0.31
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	34	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	36	0.31
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	37	0.31
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	39	0.31
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	1	0.31
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	6	0.31
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	6	0.31
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	10	0.31
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	10	0.31
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	18	0.31
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	18	0.31
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	1	0.31
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	3	0.31
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	12	0.31
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	14	0.31
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	18	0.31
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	19	0.31
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	22	0.31
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	25	0.31
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	26	0.31
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	28	0.31
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	34	0.31
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	35	0.31
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	12	0.31
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	12	0.31
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	28	0.31
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	29	0.31
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	31	0.31
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	21	0.31
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	22	0.31
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	23	0.31
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	24	0.31
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	25	0.31
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	27	0.31
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	34	0.31
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	36	0.31
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	37	0.31
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	39	0.31
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	11	0.31
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	11	0.31
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	11	0.31
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	13	0.31
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	13	0.31
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	27	0.31
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	27	0.31
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	27	0.31
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	40	0.31
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	40	0.31
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	40	0.31
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	1	0.31
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	26	0.31
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	26	0.31
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	26	0.31
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	6	0.31
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	6	0.31
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	10	0.31
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	10	0.31
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	18	0.31
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	18	0.31
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	2	0.31
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	5	0.31
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	18	0.31
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	1	0.31
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	3	0.31
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	12	0.31
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	14	0.31
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	18	0.31
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	19	0.31
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	22	0.31
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	25	0.31
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	26	0.31
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	28	0.31
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	34	0.31
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	35	0.31
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	4	0.3
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	9	0.3
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	9	0.3
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	9	0.3
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	13	0.3
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	36	0.3
(3,2684)	1:53:A:GLN:HB2	1:53:A:GLN:HG3	35	0.3
(3,2676)	1:25:A:GLN:HG3	1:22:A:SER:HB2	6	0.3
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	26	0.3
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	28	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	29	0.3
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	30	0.3
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	33	0.3
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	35	0.3
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	38	0.3
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	40	0.3
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	3	0.3
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	3	0.3
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	3	0.3
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	6	0.3
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	6	0.3
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	6	0.3
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	37	0.3
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	37	0.3
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	37	0.3
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	3	0.3
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	3	0.3
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	3	0.3
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	3	0.3
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	6	0.3
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	6	0.3
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	6	0.3
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	37	0.3
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	37	0.3
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	37	0.3
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	27	0.3
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	1	0.3
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	1	0.3
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	7	0.3
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	7	0.3
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	2	0.3
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	8	0.3
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	9	0.3
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	21	0.3
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	23	0.3
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	31	0.3
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	37	0.3
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	4	0.3
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	9	0.3
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	9	0.3
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	9	0.3
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	36	0.3
(1,2680)	1:53:A:GLN:HB2	1:53:A:GLN:HG3	35	0.3
(1,2672)	1:25:A:GLN:HG3	1:22:A:SER:HB2	6	0.3
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	26	0.3
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	28	0.3
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	29	0.3
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	30	0.3
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	33	0.3
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	35	0.3
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	38	0.3
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	40	0.3
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	3	0.3
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	3	0.3
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	3	0.3
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	6	0.3
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	6	0.3
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	6	0.3
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	37	0.3
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	37	0.3
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	37	0.3
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	4	0.3
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	4	0.3
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	4	0.3
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	8	0.3
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	8	0.3
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	8	0.3
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	18	0.3
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	18	0.3
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	18	0.3
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	30	0.3
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	30	0.3
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	30	0.3
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	3	0.3
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	3	0.3
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	3	0.3
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	3	0.3
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	6	0.3
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	6	0.3
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	6	0.3
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	37	0.3
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	37	0.3
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	37	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	27	0.3
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	1	0.3
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	1	0.3
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	7	0.3
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	7	0.3
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	8	0.3
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	2	0.3
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	8	0.3
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	9	0.3
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	21	0.3
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	23	0.3
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	31	0.3
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	37	0.3
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	2	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	2	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	2	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	2	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	3	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	3	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	3	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	3	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	4	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	4	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	4	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	4	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	5	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	5	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	5	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	5	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	6	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	6	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	6	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	6	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	7	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	7	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	7	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	7	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	8	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	8	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	8	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	8	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	9	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	9	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	9	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	10	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	10	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	10	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	10	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	11	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	11	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	11	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	11	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	12	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	12	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	12	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	12	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	13	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	13	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	13	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	13	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	14	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	14	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	14	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	14	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	15	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	15	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	15	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	15	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	16	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	16	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	16	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	16	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	17	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	17	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	17	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	17	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	18	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	18	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	18	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	18	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	19	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	19	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	19	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	20	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	20	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	20	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	20	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	21	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	21	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	21	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	21	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	22	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	22	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	22	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	22	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	24	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	24	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	24	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	24	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	25	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	25	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	25	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	25	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	26	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	26	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	26	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	26	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	27	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	27	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	27	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	27	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	28	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	28	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	28	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	28	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	29	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	29	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	29	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	29	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	30	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	30	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	30	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	30	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	31	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	31	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	31	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	31	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	32	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	32	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	32	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	32	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	33	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	33	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	33	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	33	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	34	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	34	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	34	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	34	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	35	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	35	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	35	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	35	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	36	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	36	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	36	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	36	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	37	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	37	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	37	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	37	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	38	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	38	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	38	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	38	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	39	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	39	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	39	0.29
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	39	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	1	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	2	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	3	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	4	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	5	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	6	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	8	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	9	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	10	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	11	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	12	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	13	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	14	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	15	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	16	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	17	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	19	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	20	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	21	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	22	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	23	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	24	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	25	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	26	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	27	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	28	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	29	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	30	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	31	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	32	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	33	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	34	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	35	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	36	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	37	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	38	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	39	0.29
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	40	0.29
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	10	0.29
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	33	0.29
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	13	0.29
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	35	0.29
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	38	0.29
(3,2682)	1:53:A:GLN:HB2	1:53:A:GLN:HA	5	0.29
(3,2682)	1:53:A:GLN:HB2	1:53:A:GLN:HA	8	0.29
(3,2682)	1:53:A:GLN:HB2	1:53:A:GLN:HA	9	0.29
(3,2682)	1:53:A:GLN:HB2	1:53:A:GLN:HA	10	0.29
(3,2682)	1:53:A:GLN:HB2	1:53:A:GLN:HA	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2682)	1:53:A:GLN:HB2	1:53:A:GLN:HA	15	0.29
(3,2682)	1:53:A:GLN:HB2	1:53:A:GLN:HA	16	0.29
(3,2682)	1:53:A:GLN:HB2	1:53:A:GLN:HA	21	0.29
(3,2682)	1:53:A:GLN:HB2	1:53:A:GLN:HA	23	0.29
(3,2682)	1:53:A:GLN:HB2	1:53:A:GLN:HA	24	0.29
(3,2682)	1:53:A:GLN:HB2	1:53:A:GLN:HA	34	0.29
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	32	0.29
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	38	0.29
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	7	0.29
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	7	0.29
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	7	0.29
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	8	0.29
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	8	0.29
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	8	0.29
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	11	0.29
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	11	0.29
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	11	0.29
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	12	0.29
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	12	0.29
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	12	0.29
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	14	0.29
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	14	0.29
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	14	0.29
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	26	0.29
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	26	0.29
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	26	0.29
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	29	0.29
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	29	0.29
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	29	0.29
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	32	0.29
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	32	0.29
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	32	0.29
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	34	0.29
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	34	0.29
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	34	0.29
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	40	0.29
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	40	0.29
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	40	0.29
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	19	0.29
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	19	0.29
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	19	0.29
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	17	0.29
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	17	0.29
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	18	0.29
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	18	0.29
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	18	0.29
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	5	0.29
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	5	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	7	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	7	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	7	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	8	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	8	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	8	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	11	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	11	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	11	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	12	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	12	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	12	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	14	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	14	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	14	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	26	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	26	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	26	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	29	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	29	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	29	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	32	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	32	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	32	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	34	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	34	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	34	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	40	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	40	0.29
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	40	0.29
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	6	0.29
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	11	0.29
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	22	0.29
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	25	0.29
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	28	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	31	0.29
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	32	0.29
(3,563)	1:47:A:THR:H	1:45:A:GLY:HA2	19	0.29
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	14	0.29
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	12	0.29
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	12	0.29
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	19	0.29
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	19	0.29
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	21	0.29
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	21	0.29
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	6	0.29
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	10	0.29
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	11	0.29
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	13	0.29
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	15	0.29
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	17	0.29
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	20	0.29
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	29	0.29
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	33	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	2	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	2	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	2	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	2	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	3	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	3	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	3	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	3	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	4	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	4	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	4	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	4	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	5	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	5	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	5	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	5	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	6	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	6	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	6	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	6	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	7	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	7	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	7	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	8	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	8	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	8	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	8	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	9	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	9	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	9	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	9	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	10	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	10	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	10	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	10	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	11	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	11	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	11	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	11	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	12	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	12	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	12	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	12	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	13	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	13	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	13	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	13	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	14	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	14	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	14	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	14	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	15	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	15	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	15	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	15	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	16	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	16	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	16	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	16	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	17	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	17	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	17	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	17	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	18	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	18	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	18	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	19	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	19	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	19	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	19	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	20	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	20	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	20	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	20	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	21	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	21	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	21	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	21	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	22	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	22	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	22	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	22	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	24	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	24	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	24	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	24	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	25	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	25	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	25	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	25	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	26	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	26	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	26	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	26	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	27	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	27	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	27	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	27	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	28	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	28	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	28	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	28	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	29	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	29	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	29	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	29	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	30	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	30	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	30	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	30	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	31	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	31	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	31	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	31	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	32	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	32	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	32	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	32	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	33	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	33	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	33	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	33	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	34	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	34	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	34	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	34	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	35	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	35	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	35	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	35	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	36	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	36	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	36	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	36	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	37	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	37	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	37	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	37	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	38	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	38	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	38	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	38	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	39	0.29
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	39	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	39	0.29
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	39	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	2	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	3	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	4	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	5	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	6	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	7	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	8	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	9	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	10	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	11	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	12	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	13	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	14	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	15	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	16	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	17	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	19	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	20	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	21	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	22	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	23	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	24	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	25	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	26	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	27	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	28	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	29	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	30	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	31	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	32	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	33	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	34	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	35	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	36	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	37	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	38	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	39	0.29
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	40	0.29
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	10	0.29
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	33	0.29
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	13	0.29
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	35	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	38	0.29
(1,2678)	1:53:A:GLN:HB2	1:53:A:GLN:HA	5	0.29
(1,2678)	1:53:A:GLN:HB2	1:53:A:GLN:HA	8	0.29
(1,2678)	1:53:A:GLN:HB2	1:53:A:GLN:HA	9	0.29
(1,2678)	1:53:A:GLN:HB2	1:53:A:GLN:HA	10	0.29
(1,2678)	1:53:A:GLN:HB2	1:53:A:GLN:HA	11	0.29
(1,2678)	1:53:A:GLN:HB2	1:53:A:GLN:HA	15	0.29
(1,2678)	1:53:A:GLN:HB2	1:53:A:GLN:HA	16	0.29
(1,2678)	1:53:A:GLN:HB2	1:53:A:GLN:HA	21	0.29
(1,2678)	1:53:A:GLN:HB2	1:53:A:GLN:HA	23	0.29
(1,2678)	1:53:A:GLN:HB2	1:53:A:GLN:HA	24	0.29
(1,2678)	1:53:A:GLN:HB2	1:53:A:GLN:HA	34	0.29
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	32	0.29
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	38	0.29
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	7	0.29
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	7	0.29
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	7	0.29
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	8	0.29
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	8	0.29
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	8	0.29
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	11	0.29
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	11	0.29
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	11	0.29
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	12	0.29
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	12	0.29
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	12	0.29
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	14	0.29
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	14	0.29
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	14	0.29
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	26	0.29
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	26	0.29
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	26	0.29
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	29	0.29
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	29	0.29
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	29	0.29
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	32	0.29
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	32	0.29
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	32	0.29
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	34	0.29
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	34	0.29
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	34	0.29
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	40	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	40	0.29
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	40	0.29
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	19	0.29
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	19	0.29
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	19	0.29
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	25	0.29
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	25	0.29
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	25	0.29
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	34	0.29
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	34	0.29
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	34	0.29
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	39	0.29
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	39	0.29
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	39	0.29
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	17	0.29
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	17	0.29
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	17	0.29
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	18	0.29
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	18	0.29
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	18	0.29
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	5	0.29
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	5	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	7	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	7	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	7	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	8	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	8	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	8	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	11	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	11	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	11	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	12	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	12	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	12	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	14	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	14	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	14	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	26	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	26	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	26	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	29	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	29	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	29	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	32	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	32	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	32	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	34	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	34	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	34	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	40	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	40	0.29
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	40	0.29
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	6	0.29
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	11	0.29
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	22	0.29
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	25	0.29
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	28	0.29
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	31	0.29
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	32	0.29
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	14	0.29
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	37	0.29
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	37	0.29
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	37	0.29
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	12	0.29
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	12	0.29
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	19	0.29
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	19	0.29
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	21	0.29
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	21	0.29
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	13	0.29
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	6	0.29
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	10	0.29
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	11	0.29
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	13	0.29
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	15	0.29
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	17	0.29
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	20	0.29
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	29	0.29
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	33	0.29
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	1	0.28
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	1	0.28
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	1	0.28
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	1	0.28
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	23	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	23	0.28
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	23	0.28
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	23	0.28
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	40	0.28
(3,3176)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	40	0.28
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	40	0.28
(3,3176)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	40	0.28
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	19	0.28
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	19	0.28
(3,2935)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	18	0.28
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	18	0.28
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	20	0.28
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	35	0.28
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	40	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	1	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	2	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	3	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	4	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	5	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	6	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	7	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	8	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	9	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	10	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	11	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	15	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	16	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	17	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	18	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	19	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	20	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	21	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	23	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	24	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	25	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	26	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	27	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	28	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	29	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	30	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	31	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	32	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	33	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	34	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	36	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	37	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	38	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	39	0.28
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	40	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	2	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	11	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	13	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	14	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	15	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	17	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	18	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	21	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	22	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	23	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	24	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	25	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	27	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	28	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	29	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	30	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	32	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	34	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	35	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	39	0.28
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	40	0.28
(3,2656)	1:17:A:GLN:HB3	1:17:A:GLN:HG2	8	0.28
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	33	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	2	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	11	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	13	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	14	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	15	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	17	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	18	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	21	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	22	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	23	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	24	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	25	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	27	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	28	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	29	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	30	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	32	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	34	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	35	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	39	0.28
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	40	0.28
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	6	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	1	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	1	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	1	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	2	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	2	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	2	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	4	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	4	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	4	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	5	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	5	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	5	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	9	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	9	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	9	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	17	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	17	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	17	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	18	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	18	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	18	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	19	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	19	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	19	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	21	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	21	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	21	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	23	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	23	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	23	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	24	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	24	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	24	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	25	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	25	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	25	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	28	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	28	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	28	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	30	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	30	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	30	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	31	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	31	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	31	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	33	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	33	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	33	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	36	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	36	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	36	0.28
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	38	0.28
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	38	0.28
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	38	0.28
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	3	0.28
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	3	0.28
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	3	0.28
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	6	0.28
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	6	0.28
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	6	0.28
(3,1539)	1:2:A:ILE:HD11	1:2:A:ILE:HA	13	0.28
(3,1539)	1:2:A:ILE:HD12	1:2:A:ILE:HA	13	0.28
(3,1539)	1:2:A:ILE:HD13	1:2:A:ILE:HA	13	0.28
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	28	0.28
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	5	0.28
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	5	0.28
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	5	0.28
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	28	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	1	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	1	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	1	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	2	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	2	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	4	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	4	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	4	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	5	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	5	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	5	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	9	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	9	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	9	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	17	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	17	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	17	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	18	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	18	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	18	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	19	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	19	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	19	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	21	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	21	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	21	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	23	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	23	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	23	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	24	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	24	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	24	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	25	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	25	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	25	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	28	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	28	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	28	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	30	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	30	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	30	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	31	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	31	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	31	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	33	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	33	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	33	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	36	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	36	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	36	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	38	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	38	0.28
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	38	0.28
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	5	0.28
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	2	0.28
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	5	0.28
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	8	0.28
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	14	0.28
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	15	0.28
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	17	0.28
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	21	0.28
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	23	0.28
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	24	0.28
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	30	0.28
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	34	0.28
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	37	0.28
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	39	0.28
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	40	0.28
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	28	0.28
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	28	0.28
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	29	0.28
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	29	0.28
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	34	0.28
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	34	0.28
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	37	0.28
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	37	0.28
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	24	0.28
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	30	0.28
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	40	0.28
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	36	0.28
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	1	0.28
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	1	0.28
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	1	0.28
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	1	0.28
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	23	0.28
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	23	0.28
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	23	0.28
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	23	0.28
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE1	40	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3170)	1:5:A:PHE:HD1	1:5:A:PHE:HE2	40	0.28
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE1	40	0.28
(1,3170)	1:5:A:PHE:HD2	1:5:A:PHE:HE2	40	0.28
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	19	0.28
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	19	0.28
(1,2928)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	18	0.28
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	18	0.28
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	20	0.28
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	35	0.28
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	40	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	1	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	2	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	3	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	4	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	5	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	6	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	7	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	8	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	9	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	10	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	11	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	15	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	16	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	17	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	18	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	19	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	20	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	21	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	23	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	24	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	25	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	26	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	27	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	28	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	29	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	30	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	31	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	32	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	33	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	34	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	36	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	37	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	38	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	39	0.28
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	40	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	2	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	11	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	13	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	14	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	15	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	17	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	18	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	21	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	22	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	23	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	24	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	25	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	27	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	28	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	29	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	30	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	32	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	34	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	35	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	39	0.28
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	40	0.28
(1,2652)	1:17:A:GLN:HB3	1:17:A:GLN:HG2	8	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	2	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	11	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	13	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	14	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	15	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	17	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	18	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	21	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	22	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	23	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	24	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	25	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	27	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	28	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	29	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	30	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	32	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	34	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	35	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	39	0.28
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	40	0.28
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	6	0.28
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	11	0.28
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	11	0.28
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	11	0.28
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	11	0.28
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	11	0.28
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	11	0.28
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	11	0.28
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	11	0.28
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	11	0.28
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	22	0.28
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	22	0.28
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	22	0.28
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	22	0.28
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	22	0.28
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	22	0.28
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	22	0.28
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	22	0.28
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	22	0.28
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	25	0.28
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	25	0.28
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	25	0.28
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	25	0.28
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	25	0.28
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	25	0.28
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	25	0.28
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	25	0.28
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	25	0.28
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	34	0.28
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	34	0.28
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	34	0.28
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	34	0.28
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	34	0.28
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	34	0.28
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	34	0.28
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	34	0.28
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	34	0.28
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	39	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	39	0.28
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	39	0.28
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	39	0.28
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	39	0.28
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	39	0.28
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	39	0.28
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	39	0.28
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	39	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	1	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	1	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	1	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	2	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	2	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	2	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	4	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	4	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	4	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	5	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	5	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	5	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	9	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	9	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	9	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	17	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	17	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	17	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	18	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	18	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	18	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	19	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	19	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	19	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	21	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	21	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	21	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	23	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	23	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	23	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	24	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	24	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	24	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	25	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	25	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	25	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	28	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	28	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	28	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	30	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	30	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	30	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	31	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	31	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	31	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	33	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	33	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	33	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	36	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	36	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	36	0.28
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	38	0.28
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	38	0.28
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	38	0.28
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	3	0.28
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	3	0.28
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	3	0.28
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	6	0.28
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	6	0.28
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	6	0.28
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	38	0.28
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	38	0.28
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	38	0.28
(1,1535)	1:2:A:ILE:HD11	1:2:A:ILE:HA	13	0.28
(1,1535)	1:2:A:ILE:HD12	1:2:A:ILE:HA	13	0.28
(1,1535)	1:2:A:ILE:HD13	1:2:A:ILE:HA	13	0.28
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	28	0.28
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	5	0.28
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	5	0.28
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	5	0.28
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	28	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	1	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	1	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	1	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	2	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	2	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	4	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	4	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	4	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	5	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	5	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	5	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	9	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	9	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	9	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	17	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	17	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	17	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	18	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	18	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	18	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	19	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	19	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	19	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	21	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	21	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	21	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	23	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	23	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	23	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	24	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	24	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	24	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	25	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	25	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	25	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	28	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	28	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	28	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	30	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	30	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	30	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	31	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	31	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	31	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	33	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	33	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	33	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	36	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	36	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	36	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	38	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	38	0.28
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	38	0.28
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	5	0.28
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	2	0.28
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	5	0.28
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	8	0.28
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	14	0.28
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	15	0.28
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	17	0.28
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	21	0.28
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	23	0.28
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	24	0.28
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	30	0.28
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	34	0.28
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	37	0.28
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	39	0.28
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	40	0.28
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	36	0.28
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	36	0.28
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	36	0.28
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	28	0.28
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	28	0.28
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	29	0.28
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	29	0.28
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	34	0.28
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	34	0.28
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	37	0.28
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	37	0.28
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	6	0.28
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	15	0.28
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	17	0.28
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	24	0.28
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	30	0.28
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	40	0.28
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	21	0.27
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	21	0.27
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	27	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	27	0.27
(3,3205)	1:43:A:TYR:HD1	1:80:A:SER:HB2	28	0.27
(3,3205)	1:43:A:TYR:HD2	1:80:A:SER:HB2	28	0.27
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	13	0.27
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	38	0.27
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	29	0.27
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	29	0.27
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	29	0.27
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	12	0.27
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	16	0.27
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	1	0.27
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	4	0.27
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	11	0.27
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	14	0.27
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	32	0.27
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	12	0.27
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	14	0.27
(3,2788)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	22	0.27
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	19	0.27
(3,2763)	1:90:A:GLU:HG3	1:90:A:GLU:HA	31	0.27
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	37	0.27
(3,2470)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	1	0.27
(3,2470)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	10	0.27
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	19	0.27
(3,2440)	1:90:A:GLU:HA	1:90:A:GLU:HG3	31	0.27
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	1	0.27
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	8	0.27
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	9	0.27
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	13	0.27
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	15	0.27
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	23	0.27
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	29	0.27
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	33	0.27
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	37	0.27
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	40	0.27
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	13	0.27
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	38	0.27
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	5	0.27
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	5	0.27
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	5	0.27
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	15	0.27
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	15	0.27
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	35	0.27
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	35	0.27
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	35	0.27
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	30	0.27
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	30	0.27
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	30	0.27
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	30	0.27
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	30	0.27
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	30	0.27
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	16	0.27
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	16	0.27
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	16	0.27
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	1	0.27
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	6	0.27
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	7	0.27
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	12	0.27
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	13	0.27
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	10	0.27
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	10	0.27
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	10	0.27
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	13	0.27
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	13	0.27
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	13	0.27
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	16	0.27
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	16	0.27
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	16	0.27
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	20	0.27
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	20	0.27
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	20	0.27
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	22	0.27
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	22	0.27
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	22	0.27
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	27	0.27
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	27	0.27
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	27	0.27
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	35	0.27
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	35	0.27
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	35	0.27
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	39	0.27
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	39	0.27
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	39	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	9	0.27
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	9	0.27
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	9	0.27
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	12	0.27
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	12	0.27
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	12	0.27
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	16	0.27
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	16	0.27
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	16	0.27
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	19	0.27
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	19	0.27
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	19	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	3	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	3	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	3	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	4	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	4	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	4	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	5	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	5	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	5	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	6	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	6	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	6	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	7	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	7	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	7	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	8	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	8	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	8	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	9	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	9	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	9	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	10	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	10	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	10	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	12	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	12	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	12	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	13	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	13	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	16	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	16	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	16	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	18	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	18	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	18	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	20	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	20	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	20	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	24	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	24	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	24	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	26	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	26	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	26	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	29	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	29	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	29	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	32	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	32	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	32	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	33	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	33	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	33	0.27
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	35	0.27
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	35	0.27
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	35	0.27
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	34	0.27
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	34	0.27
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	34	0.27
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	28	0.27
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	28	0.27
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	28	0.27
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	8	0.27
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	20	0.27
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	1	0.27
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	8	0.27
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	36	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	10	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	10	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	10	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	13	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	13	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	16	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	16	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	16	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	20	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	20	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	20	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	22	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	22	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	22	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	27	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	27	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	27	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	35	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	35	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	35	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	39	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	39	0.27
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	39	0.27
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	37	0.27
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	9	0.27
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	34	0.27
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	3	0.27
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	4	0.27
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	7	0.27
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	10	0.27
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	13	0.27
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	20	0.27
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	35	0.27
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	36	0.27
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	38	0.27
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	20	0.27
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	22	0.27
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	37	0.27
(3,365)	1:18:A:ASN:H	1:18:A:ASN:HB2	37	0.27
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	14	0.27
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	14	0.27
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	25	0.27
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	25	0.27
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	4	0.27
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	27	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	39	0.27
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	21	0.27
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	21	0.27
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	27	0.27
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	27	0.27
(1,3199)	1:43:A:TYR:HD1	1:80:A:SER:HB2	28	0.27
(1,3199)	1:43:A:TYR:HD2	1:80:A:SER:HB2	28	0.27
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	13	0.27
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	38	0.27
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	29	0.27
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	29	0.27
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	29	0.27
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	12	0.27
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	16	0.27
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	1	0.27
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	4	0.27
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	11	0.27
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	14	0.27
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	32	0.27
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	12	0.27
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	14	0.27
(1,2781)	1:100:A:GLU:HG2	1:100:A:GLU:HB3	22	0.27
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	19	0.27
(1,2756)	1:90:A:GLU:HG3	1:90:A:GLU:HA	31	0.27
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	37	0.27
(1,2467)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	1	0.27
(1,2467)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	10	0.27
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	19	0.27
(1,2437)	1:90:A:GLU:HA	1:90:A:GLU:HG3	31	0.27
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	1	0.27
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	8	0.27
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	9	0.27
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	13	0.27
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	15	0.27
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	23	0.27
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	29	0.27
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	33	0.27
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	37	0.27
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	40	0.27
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	13	0.27
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	38	0.27
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	5	0.27
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	5	0.27
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	15	0.27
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	15	0.27
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	15	0.27
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	35	0.27
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	35	0.27
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	35	0.27
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	30	0.27
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	30	0.27
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	30	0.27
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	30	0.27
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	30	0.27
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	30	0.27
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	16	0.27
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	16	0.27
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	16	0.27
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	1	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	1	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	1	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	1	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	1	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	1	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	1	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	1	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	1	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	1	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	19	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	19	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	19	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	19	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	19	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	19	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	19	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	19	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	19	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	20	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	20	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	20	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	20	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	20	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	20	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	20	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	20	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	21	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	21	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	21	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	21	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	21	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	21	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	21	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	21	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	21	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	27	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	27	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	27	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	27	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	27	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	27	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	27	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	27	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	27	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	33	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	33	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	33	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	33	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	33	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	33	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	33	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	33	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	33	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	36	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	36	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	36	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	36	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	36	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	36	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	36	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	36	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	36	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	38	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	38	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	38	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	38	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	38	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	38	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	38	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	38	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	38	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	40	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	40	0.27
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	40	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	40	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	40	0.27
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	40	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	40	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	40	0.27
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	40	0.27
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	6	0.27
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	7	0.27
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	12	0.27
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	13	0.27
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	10	0.27
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	10	0.27
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	10	0.27
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	13	0.27
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	13	0.27
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	13	0.27
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	16	0.27
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	16	0.27
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	16	0.27
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	20	0.27
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	20	0.27
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	20	0.27
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	22	0.27
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	22	0.27
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	22	0.27
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	27	0.27
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	27	0.27
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	27	0.27
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	35	0.27
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	35	0.27
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	35	0.27
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	39	0.27
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	39	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	39	0.27
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	9	0.27
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	9	0.27
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	9	0.27
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	12	0.27
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	12	0.27
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	12	0.27
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	16	0.27
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	16	0.27
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	16	0.27
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	32	0.27
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	32	0.27
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	32	0.27
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	19	0.27
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	19	0.27
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	19	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	3	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	3	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	3	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	4	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	4	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	4	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	5	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	5	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	5	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	6	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	6	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	6	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	7	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	7	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	7	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	8	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	8	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	8	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	9	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	9	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	9	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	10	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	10	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	10	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	12	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	12	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	13	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	13	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	13	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	16	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	16	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	16	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	18	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	18	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	18	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	20	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	20	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	20	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	24	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	24	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	24	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	26	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	26	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	26	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	29	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	29	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	29	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	32	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	32	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	32	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	33	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	33	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	33	0.27
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	35	0.27
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	35	0.27
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	35	0.27
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	34	0.27
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	34	0.27
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	34	0.27
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	28	0.27
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	28	0.27
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	28	0.27
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	8	0.27
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	20	0.27
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	1	0.27
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	8	0.27
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	36	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	10	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	10	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	10	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	13	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	13	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	13	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	16	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	16	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	16	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	20	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	20	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	20	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	22	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	22	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	22	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	27	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	27	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	27	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	35	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	35	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	35	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	39	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	39	0.27
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	39	0.27
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	37	0.27
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	9	0.27
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	34	0.27
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	3	0.27
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	4	0.27
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	7	0.27
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	10	0.27
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	13	0.27
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	20	0.27
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	35	0.27
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	36	0.27
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	38	0.27
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	20	0.27
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	22	0.27
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	37	0.27
(1,365)	1:18:A:ASN:H	1:18:A:ASN:HB2	37	0.27
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	14	0.27
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	25	0.27
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	25	0.27
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	3	0.27
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	20	0.27
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	4	0.27
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	27	0.27
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	39	0.27
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	23	0.26
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	23	0.26
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	24	0.26
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	24	0.26
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	33	0.26
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	33	0.26
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	38	0.26
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	38	0.26
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	39	0.26
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	39	0.26
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	1	0.26
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	3	0.26
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	5	0.26
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	14	0.26
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	15	0.26
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	17	0.26
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	23	0.26
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	26	0.26
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	27	0.26
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	34	0.26
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	37	0.26
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	7	0.26
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	7	0.26
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	16	0.26
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	16	0.26
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	39	0.26
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	39	0.26
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	40	0.26
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	40	0.26
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	14	0.26
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	17	0.26
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	28	0.26
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	32	0.26
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	35	0.26
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	40	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	15	0.26
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	2	0.26
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	12	0.26
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	19	0.26
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	21	0.26
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	33	0.26
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	35	0.26
(3,2470)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	5	0.26
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	17	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	7	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	10	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	11	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	12	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	14	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	16	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	17	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	20	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	21	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	22	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	24	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	25	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	26	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	27	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	30	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	31	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	32	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	34	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	35	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	36	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	38	0.26
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	39	0.26
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	2	0.26
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	2	0.26
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	3	0.26
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	3	0.26
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	1	0.26
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	3	0.26
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	5	0.26
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	14	0.26
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	15	0.26
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	17	0.26
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	23	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	26	0.26
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	27	0.26
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	34	0.26
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	37	0.26
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	27	0.26
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	2	0.26
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	2	0.26
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	2	0.26
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	8	0.26
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	8	0.26
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	8	0.26
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	13	0.26
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	13	0.26
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	13	0.26
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	17	0.26
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	17	0.26
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	17	0.26
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	20	0.26
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	20	0.26
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	20	0.26
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	21	0.26
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	21	0.26
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	21	0.26
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	11	0.26
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	11	0.26
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	11	0.26
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	11	0.26
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	11	0.26
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	11	0.26
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	14	0.26
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	14	0.26
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	14	0.26
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	14	0.26
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	14	0.26
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	14	0.26
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	38	0.26
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	38	0.26
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	38	0.26
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	38	0.26
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	38	0.26
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	38	0.26
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	1	0.26
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	1	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	4	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	5	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	6	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	7	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	8	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	9	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	10	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	13	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	19	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	21	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	22	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	23	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	25	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	29	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	30	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	31	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	32	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	36	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	38	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	39	0.26
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	40	0.26
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	9	0.26
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	7	0.26
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	7	0.26
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	7	0.26
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	20	0.26
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	20	0.26
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	20	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	1	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	1	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	1	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	2	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	2	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	2	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	11	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	11	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	11	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	14	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	14	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	15	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	15	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	15	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	17	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	17	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	17	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	19	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	19	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	19	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	21	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	21	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	21	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	22	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	22	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	22	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	23	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	23	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	23	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	25	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	25	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	25	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	27	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	27	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	27	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	28	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	28	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	28	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	30	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	30	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	30	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	31	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	31	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	31	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	34	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	34	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	34	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	36	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	36	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	36	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	37	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	37	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	37	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	38	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	38	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	38	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	39	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	39	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	39	0.26
(3,1551)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	40	0.26
(3,1551)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	40	0.26
(3,1551)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	40	0.26
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	8	0.26
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	13	0.26
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	29	0.26
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	31	0.26
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	33	0.26
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	35	0.26
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	26	0.26
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	26	0.26
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	26	0.26
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	29	0.26
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	29	0.26
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	29	0.26
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	2	0.26
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	5	0.26
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	9	0.26
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	19	0.26
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	23	0.26
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	25	0.26
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	29	0.26
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	32	0.26
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	40	0.26
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	18	0.26
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	33	0.26
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	35	0.26
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	10	0.26
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	3	0.26
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	3	0.26
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	3	0.26
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	6	0.26
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	7	0.26
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	13	0.26
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	15	0.26
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	31	0.26
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	40	0.26
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	9	0.26
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	12	0.26
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	19	0.26
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	26	0.26
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	5	0.26
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	10	0.26
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	14	0.26
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	10	0.26
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	19	0.26
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	6	0.26
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	16	0.26
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	18	0.26
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	3	0.26
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	17	0.26
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	27	0.26
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	26	0.26
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	26	0.26
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	27	0.26
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	27	0.26
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	29	0.26
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	5	0.26
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	23	0.26
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	23	0.26
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	24	0.26
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	24	0.26
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	33	0.26
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	33	0.26
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	38	0.26
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	38	0.26
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	39	0.26
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	39	0.26
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	1	0.26
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	3	0.26
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	5	0.26
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	14	0.26
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	15	0.26
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	17	0.26
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	23	0.26
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	26	0.26
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	27	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	34	0.26
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	37	0.26
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	7	0.26
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	7	0.26
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	16	0.26
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	16	0.26
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	39	0.26
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	39	0.26
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	40	0.26
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	40	0.26
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	14	0.26
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	17	0.26
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	28	0.26
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	32	0.26
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	35	0.26
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	40	0.26
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	15	0.26
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	2	0.26
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	12	0.26
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	19	0.26
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	21	0.26
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	2	0.26
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	9	0.26
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	11	0.26
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	15	0.26
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	18	0.26
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	33	0.26
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	35	0.26
(1,2467)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	5	0.26
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	17	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	7	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	10	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	11	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	12	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	14	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	16	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	17	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	20	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	21	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	22	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	24	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	25	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	26	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	27	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	30	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	31	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	32	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	34	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	35	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	36	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	38	0.26
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	39	0.26
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	2	0.26
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	2	0.26
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	3	0.26
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	3	0.26
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	1	0.26
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	3	0.26
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	5	0.26
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	14	0.26
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	15	0.26
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	17	0.26
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	23	0.26
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	26	0.26
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	27	0.26
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	34	0.26
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	37	0.26
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	27	0.26
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	2	0.26
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	2	0.26
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	2	0.26
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	8	0.26
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	8	0.26
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	8	0.26
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	13	0.26
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	13	0.26
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	13	0.26
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	17	0.26
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	17	0.26
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	17	0.26
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	20	0.26
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	20	0.26
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	20	0.26
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	21	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	21	0.26
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	21	0.26
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	11	0.26
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	11	0.26
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	11	0.26
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	11	0.26
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	11	0.26
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	11	0.26
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	14	0.26
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	14	0.26
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	14	0.26
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	14	0.26
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	14	0.26
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	14	0.26
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	38	0.26
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	38	0.26
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	38	0.26
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	38	0.26
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	38	0.26
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	38	0.26
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	1	0.26
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	1	0.26
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	1	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	4	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	5	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	6	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	7	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	8	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	9	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	10	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	13	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	19	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	21	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	22	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	23	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	25	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	29	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	30	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	31	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	32	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	36	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	38	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	39	0.26
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	40	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	2	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	2	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	2	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	2	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	2	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	2	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	2	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	2	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	2	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	5	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	5	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	5	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	5	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	5	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	5	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	5	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	5	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	5	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	10	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	10	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	10	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	10	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	10	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	10	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	10	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	10	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	10	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	13	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	13	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	13	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	13	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	13	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	13	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	13	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	13	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	13	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	28	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	28	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	28	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	28	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	28	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	28	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	28	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	28	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	28	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	29	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	29	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	29	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	29	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	29	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	29	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	29	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	29	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	29	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	30	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	30	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	30	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	30	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	30	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	30	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	30	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	30	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	30	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	35	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	35	0.26
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	35	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	35	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	35	0.26
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	35	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	35	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	35	0.26
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	35	0.26
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	9	0.26
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	7	0.26
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	7	0.26
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	7	0.26
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	20	0.26
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	20	0.26
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	20	0.26
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	21	0.26
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	21	0.26
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	21	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1669)	1:85:A:LEU:HD21	1:88:A:ARG:HG3	24	0.26
(1,1669)	1:85:A:LEU:HD22	1:88:A:ARG:HG3	24	0.26
(1,1669)	1:85:A:LEU:HD23	1:88:A:ARG:HG3	24	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	1	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	1	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	1	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	2	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	2	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	2	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	11	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	11	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	11	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	14	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	14	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	14	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	15	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	15	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	15	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	17	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	17	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	17	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	19	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	19	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	19	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	21	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	21	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	21	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	22	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	22	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	22	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	23	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	23	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	23	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	25	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	25	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	25	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	27	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	27	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	27	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	28	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	28	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	28	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	30	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	30	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	30	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	31	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	31	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	31	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	34	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	34	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	34	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	36	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	36	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	36	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	37	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	37	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	37	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	38	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	38	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	38	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	39	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	39	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	39	0.26
(1,1547)	1:10:A:ILE:HG21	1:10:A:ILE:HG13	40	0.26
(1,1547)	1:10:A:ILE:HG22	1:10:A:ILE:HG13	40	0.26
(1,1547)	1:10:A:ILE:HG23	1:10:A:ILE:HG13	40	0.26
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	8	0.26
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	13	0.26
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	29	0.26
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	31	0.26
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	33	0.26
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	35	0.26
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	26	0.26
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	26	0.26
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	26	0.26
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	29	0.26
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	29	0.26
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	29	0.26
(1,1237)	1:13:A:THR:HG21	1:34:A:SER:HB2	6	0.26
(1,1237)	1:13:A:THR:HG22	1:34:A:SER:HB2	6	0.26
(1,1237)	1:13:A:THR:HG23	1:34:A:SER:HB2	6	0.26
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	2	0.26
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	5	0.26
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	19	0.26
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	23	0.26
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	25	0.26
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	29	0.26
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	32	0.26
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	40	0.26
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	18	0.26
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	33	0.26
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	35	0.26
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	10	0.26
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	3	0.26
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	3	0.26
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	3	0.26
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	6	0.26
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	7	0.26
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	13	0.26
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	15	0.26
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	19	0.26
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	31	0.26
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	40	0.26
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	9	0.26
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	12	0.26
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	19	0.26
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	26	0.26
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	5	0.26
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	10	0.26
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	14	0.26
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	10	0.26
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	19	0.26
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	6	0.26
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	16	0.26
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	18	0.26
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	3	0.26
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	17	0.26
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	27	0.26
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	26	0.26
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	26	0.26
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	27	0.26
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	27	0.26
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	29	0.26
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	1	0.26
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	5	0.26
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	8	0.25
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	8	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	4	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	8	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	9	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	10	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	11	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	16	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	18	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	20	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	22	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	24	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	25	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	28	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	30	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	31	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	32	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	33	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	35	0.25
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	36	0.25
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	3	0.25
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	3	0.25
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	6	0.25
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	6	0.25
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	14	0.25
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	14	0.25
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	28	0.25
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	28	0.25
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	1	0.25
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	15	0.25
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	22	0.25
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	36	0.25
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	39	0.25
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	10	0.25
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	21	0.25
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	30	0.25
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	33	0.25
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	39	0.25
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	1	0.25
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	9	0.25
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	15	0.25
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	18	0.25
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	22	0.25
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	23	0.25
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	30	0.25
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	38	0.25
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	17	0.25
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	17	0.25
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	17	0.25
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	25	0.25
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	38	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	1	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	2	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	3	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	4	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	5	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	6	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	7	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	10	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	11	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	13	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	14	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	16	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	17	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	18	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	19	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	21	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	22	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	23	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	24	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	25	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	26	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	27	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	30	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	31	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	32	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	33	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	34	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	36	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	37	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	38	0.25
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	39	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	40	0.25
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	20	0.25
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	7	0.25
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	18	0.25
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	31	0.25
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	39	0.25
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	4	0.25
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	34	0.25
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	37	0.25
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	26	0.25
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	27	0.25
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	28	0.25
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	30	0.25
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	26	0.25
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	27	0.25
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	29	0.25
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	37	0.25
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	40	0.25
(3,2470)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	8	0.25
(3,2470)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	11	0.25
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	15	0.25
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	38	0.25
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	2	0.25
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	4	0.25
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	18	0.25
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	19	0.25
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	28	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	4	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	8	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	9	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	10	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	11	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	16	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	18	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	20	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	22	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	24	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	25	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	28	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	30	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	31	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	32	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	33	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	35	0.25
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	36	0.25
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	12	0.25
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	12	0.25
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	12	0.25
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	22	0.25
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	22	0.25
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	22	0.25
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	24	0.25
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	24	0.25
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	24	0.25
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	31	0.25
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	31	0.25
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	31	0.25
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	39	0.25
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	39	0.25
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	39	0.25
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	40	0.25
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	40	0.25
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	40	0.25
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	3	0.25
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	3	0.25
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	3	0.25
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	3	0.25
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	3	0.25
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	3	0.25
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	20	0.25
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	20	0.25
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	20	0.25
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	20	0.25
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	20	0.25
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	20	0.25
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	26	0.25
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	26	0.25
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	26	0.25
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	26	0.25
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	26	0.25
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	26	0.25
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	34	0.25
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	34	0.25
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	34	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	34	0.25
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	34	0.25
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	34	0.25
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	28	0.25
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	28	0.25
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	28	0.25
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	22	0.25
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	22	0.25
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	22	0.25
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	23	0.25
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	23	0.25
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	23	0.25
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	31	0.25
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	31	0.25
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	31	0.25
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	1	0.25
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	9	0.25
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	12	0.25
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	2	0.25
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	3	0.25
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	11	0.25
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	12	0.25
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	14	0.25
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	16	0.25
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	17	0.25
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	20	0.25
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	24	0.25
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	26	0.25
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	28	0.25
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	33	0.25
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	34	0.25
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	35	0.25
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	37	0.25
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	33	0.25
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	33	0.25
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	33	0.25
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	1	0.25
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	9	0.25
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	12	0.25
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	10	0.25
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	17	0.25
(3,1696)	1:97:A:LEU:HD21	1:98:A:LYS:H	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1696)	1:97:A:LEU:HD22	1:98:A:LYS:H	15	0.25
(3,1696)	1:97:A:LEU:HD23	1:98:A:LYS:H	15	0.25
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	10	0.25
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	10	0.25
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	10	0.25
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	10	0.25
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	10	0.25
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	10	0.25
(3,1540)	1:39:A:ILE:HD11	1:40:A:VAL:H	11	0.25
(3,1540)	1:39:A:ILE:HD12	1:40:A:VAL:H	11	0.25
(3,1540)	1:39:A:ILE:HD13	1:40:A:VAL:H	11	0.25
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	1	0.25
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	12	0.25
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	15	0.25
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	18	0.25
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	19	0.25
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	21	0.25
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	22	0.25
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	32	0.25
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	34	0.25
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	8	0.25
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	8	0.25
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	8	0.25
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	39	0.25
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	39	0.25
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	39	0.25
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	11	0.25
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	14	0.25
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	14	0.25
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	14	0.25
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	6	0.25
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	6	0.25
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	6	0.25
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	16	0.25
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	16	0.25
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	16	0.25
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	4	0.25
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	4	0.25
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	4	0.25
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	21	0.25
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	4	0.25
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	26	0.25
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	27	0.25
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	38	0.25
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD21	15	0.25
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD22	15	0.25
(3,935)	1:98:A:LYS:H	1:97:A:LEU:HD23	15	0.25
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	4	0.25
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	34	0.25
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	37	0.25
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	30	0.25
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	4	0.25
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	26	0.25
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	9	0.25
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	9	0.25
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	9	0.25
(3,826)	1:17:A:GLN:H	1:17:A:GLN:HG2	5	0.25
(3,826)	1:17:A:GLN:H	1:17:A:GLN:HG2	26	0.25
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	20	0.25
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	20	0.25
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	20	0.25
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	26	0.25
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	26	0.25
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	26	0.25
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	1	0.25
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	2	0.25
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	3	0.25
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	4	0.25
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	5	0.25
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	6	0.25
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	7	0.25
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	9	0.25
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	10	0.25
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	11	0.25
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	13	0.25
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	17	0.25
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	18	0.25
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	19	0.25
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	37	0.25
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	27	0.25
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	10	0.25
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	11	0.25
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	14	0.25
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	16	0.25
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	17	0.25
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	32	0.25
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	36	0.25
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	16	0.25
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	29	0.25
(3,584)	1:93:A:SER:H	1:92:A:ARG:HB2	33	0.25
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	22	0.25
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	2	0.25
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	4	0.25
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	24	0.25
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	33	0.25
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	40	0.25
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	7	0.25
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	13	0.25
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	2	0.25
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	7	0.25
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	22	0.25
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	5	0.25
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	21	0.25
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	4	0.25
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	4	0.25
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	13	0.25
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	13	0.25
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	17	0.25
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	17	0.25
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	20	0.25
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	20	0.25
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	30	0.25
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	30	0.25
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	36	0.25
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	36	0.25
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	2	0.25
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	12	0.25
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	13	0.25
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	16	0.25
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	22	0.25
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	23	0.25
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	31	0.25
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	34	0.25
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	36	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	38	0.25
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	39	0.25
(3,125)	1:55:A:TYR:H	1:54:A:LYS:H	7	0.25
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	26	0.25
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	8	0.25
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	8	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	4	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	8	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	9	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	10	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	11	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	16	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	18	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	20	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	22	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	24	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	25	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	28	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	30	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	31	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	32	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	33	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	35	0.25
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	36	0.25
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	3	0.25
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	3	0.25
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	6	0.25
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	6	0.25
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	14	0.25
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	14	0.25
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	28	0.25
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	28	0.25
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	1	0.25
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	15	0.25
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	22	0.25
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	36	0.25
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	39	0.25
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	10	0.25
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	21	0.25
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	30	0.25
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	33	0.25
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	39	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	1	0.25
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	9	0.25
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	13	0.25
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	15	0.25
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	18	0.25
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	22	0.25
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	23	0.25
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	30	0.25
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	38	0.25
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	17	0.25
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	17	0.25
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	17	0.25
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	25	0.25
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	38	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	1	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	2	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	3	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	4	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	5	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	6	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	7	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	10	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	11	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	13	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	14	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	16	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	17	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	18	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	19	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	21	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	22	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	23	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	24	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	25	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	26	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	27	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	30	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	31	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	32	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	33	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	34	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	36	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	37	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	38	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	39	0.25
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	40	0.25
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	20	0.25
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	7	0.25
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	18	0.25
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	31	0.25
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	39	0.25
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	10	0.25
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	12	0.25
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	13	0.25
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	16	0.25
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	4	0.25
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	34	0.25
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	37	0.25
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	26	0.25
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	27	0.25
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	28	0.25
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	30	0.25
(1,2467)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	8	0.25
(1,2467)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	11	0.25
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	15	0.25
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	38	0.25
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	2	0.25
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	4	0.25
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	18	0.25
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	19	0.25
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	28	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	4	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	8	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	9	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	10	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	11	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	16	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	18	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	20	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	22	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	24	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	25	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	28	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	30	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	31	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	32	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	33	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	35	0.25
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	36	0.25
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	12	0.25
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	12	0.25
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	12	0.25
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	22	0.25
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	22	0.25
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	22	0.25
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	24	0.25
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	24	0.25
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	24	0.25
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	31	0.25
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	31	0.25
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	31	0.25
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	39	0.25
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	39	0.25
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	39	0.25
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	40	0.25
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	40	0.25
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	40	0.25
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	3	0.25
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	3	0.25
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	3	0.25
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	3	0.25
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	3	0.25
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	3	0.25
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	20	0.25
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	20	0.25
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	20	0.25
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	20	0.25
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	20	0.25
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	20	0.25
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	26	0.25
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	26	0.25
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	26	0.25
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	26	0.25
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	26	0.25
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	26	0.25
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	34	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	34	0.25
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	34	0.25
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	34	0.25
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	34	0.25
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	34	0.25
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	28	0.25
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	28	0.25
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	28	0.25
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	22	0.25
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	22	0.25
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	22	0.25
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	23	0.25
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	23	0.25
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	23	0.25
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	31	0.25
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	31	0.25
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	31	0.25
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	1	0.25
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	9	0.25
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	12	0.25
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	2	0.25
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	3	0.25
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	11	0.25
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	12	0.25
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	14	0.25
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	16	0.25
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	17	0.25
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	20	0.25
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	24	0.25
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	26	0.25
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	28	0.25
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	33	0.25
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	34	0.25
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	35	0.25
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	37	0.25
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	33	0.25
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	33	0.25
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	33	0.25
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	15	0.25
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	15	0.25
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	15	0.25
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	15	0.25
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	15	0.25
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	15	0.25
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	15	0.25
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	15	0.25
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	17	0.25
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	17	0.25
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	17	0.25
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	17	0.25
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	17	0.25
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	17	0.25
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	17	0.25
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	17	0.25
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	17	0.25
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	24	0.25
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	24	0.25
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	24	0.25
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	24	0.25
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	24	0.25
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	24	0.25
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	24	0.25
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	24	0.25
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	24	0.25
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	32	0.25
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	32	0.25
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	32	0.25
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	32	0.25
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	32	0.25
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	32	0.25
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	32	0.25
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	32	0.25
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	32	0.25
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	37	0.25
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	37	0.25
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	37	0.25
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	37	0.25
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	37	0.25
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	37	0.25
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	37	0.25
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	37	0.25
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	37	0.25
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	9	0.25
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	12	0.25
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	10	0.25
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	17	0.25
(1,1692)	1:97:A:LEU:HD21	1:98:A:LYS:H	15	0.25
(1,1692)	1:97:A:LEU:HD22	1:98:A:LYS:H	15	0.25
(1,1692)	1:97:A:LEU:HD23	1:98:A:LYS:H	15	0.25
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	10	0.25
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	10	0.25
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	10	0.25
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	10	0.25
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	10	0.25
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	10	0.25
(1,1536)	1:39:A:ILE:HD11	1:40:A:VAL:H	11	0.25
(1,1536)	1:39:A:ILE:HD12	1:40:A:VAL:H	11	0.25
(1,1536)	1:39:A:ILE:HD13	1:40:A:VAL:H	11	0.25
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	1	0.25
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	12	0.25
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	15	0.25
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	18	0.25
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	19	0.25
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	21	0.25
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	22	0.25
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	32	0.25
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	34	0.25
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	8	0.25
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	8	0.25
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	8	0.25
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	39	0.25
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	39	0.25
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	39	0.25
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	11	0.25
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	14	0.25
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	14	0.25
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	14	0.25
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	6	0.25
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	6	0.25
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	6	0.25
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	16	0.25
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	16	0.25
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	16	0.25
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	4	0.25
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	4	0.25
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	21	0.25
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	4	0.25
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	12	0.25
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	26	0.25
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	27	0.25
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	38	0.25
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD21	15	0.25
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD22	15	0.25
(1,934)	1:98:A:LYS:H	1:97:A:LEU:HD23	15	0.25
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	4	0.25
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	34	0.25
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	37	0.25
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	30	0.25
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	4	0.25
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	26	0.25
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	9	0.25
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	9	0.25
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	9	0.25
(1,826)	1:17:A:GLN:H	1:17:A:GLN:HG2	5	0.25
(1,826)	1:17:A:GLN:H	1:17:A:GLN:HG2	26	0.25
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	20	0.25
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	20	0.25
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	20	0.25
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	26	0.25
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	26	0.25
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	26	0.25
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	1	0.25
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	2	0.25
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	3	0.25
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	4	0.25
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	5	0.25
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	6	0.25
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	7	0.25
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	9	0.25
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	10	0.25
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	11	0.25
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	13	0.25
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	17	0.25
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	18	0.25
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	37	0.25
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	27	0.25
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	10	0.25
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	11	0.25
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	12	0.25
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	14	0.25
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	16	0.25
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	17	0.25
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	32	0.25
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	36	0.25
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	16	0.25
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	29	0.25
(1,584)	1:93:A:SER:H	1:92:A:ARG:HB2	33	0.25
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	22	0.25
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	2	0.25
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	4	0.25
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	24	0.25
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	33	0.25
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	40	0.25
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	7	0.25
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	13	0.25
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	2	0.25
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	7	0.25
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	22	0.25
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	5	0.25
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	21	0.25
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	33	0.25
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	33	0.25
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	33	0.25
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	4	0.25
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	4	0.25
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	13	0.25
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	13	0.25
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	17	0.25
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	17	0.25
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	20	0.25
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	20	0.25
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	30	0.25
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	30	0.25
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	36	0.25
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	36	0.25
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	12	0.25
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	13	0.25
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	16	0.25
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	22	0.25
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	23	0.25
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	31	0.25
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	34	0.25
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	36	0.25
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	38	0.25
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	39	0.25
(1,123)	1:55:A:TYR:H	1:54:A:LYS:H	7	0.25
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	5	0.24
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	5	0.24
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	16	0.24
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	16	0.24
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	18	0.24
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	18	0.24
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	20	0.24
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	20	0.24
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	30	0.24
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	30	0.24
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	37	0.24
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	37	0.24
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	5	0.24
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	14	0.24
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	2	0.24
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	6	0.24
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	7	0.24
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	12	0.24
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	19	0.24
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	21	0.24
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	29	0.24
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	39	0.24
(3,3165)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	40	0.24
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	8	0.24
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	8	0.24
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	9	0.24
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	9	0.24
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	12	0.24
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	12	0.24
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	24	0.24
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	24	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	26	0.24
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	26	0.24
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	27	0.24
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	27	0.24
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	38	0.24
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	38	0.24
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	7	0.24
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	18	0.24
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	25	0.24
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	34	0.24
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	2	0.24
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	6	0.24
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	17	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	2	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	3	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	5	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	8	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	10	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	11	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	12	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	14	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	16	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	20	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	21	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	24	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	25	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	26	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	27	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	29	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	31	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	32	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	33	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	37	0.24
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	40	0.24
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	8	0.24
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	17	0.24
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	22	0.24
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	23	0.24
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	24	0.24
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	26	0.24
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	30	0.24
(3,2923)	1:22:A:SER:HB2	1:22:A:SER:H	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	8	0.24
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	9	0.24
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	12	0.24
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	15	0.24
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	20	0.24
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	28	0.24
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	29	0.24
(3,2746)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	35	0.24
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	13	0.24
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	14	0.24
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	15	0.24
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	22	0.24
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	26	0.24
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	6	0.24
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	8	0.24
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	12	0.24
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	13	0.24
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	19	0.24
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	28	0.24
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	29	0.24
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	33	0.24
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	35	0.24
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	36	0.24
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	40	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	1	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	2	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	3	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	4	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	5	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	6	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	7	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	8	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	9	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	10	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	11	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	12	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	13	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	14	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	15	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	16	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	17	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	19	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	20	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	21	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	22	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	23	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	24	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	25	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	26	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	27	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	28	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	29	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	30	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	31	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	32	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	33	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	34	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	35	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	36	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	37	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	38	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	39	0.24
(3,2671)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	40	0.24
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	5	0.24
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	30	0.24
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	21	0.24
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	22	0.24
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	24	0.24
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	25	0.24
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	29	0.24
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	32	0.24
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	33	0.24
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	34	0.24
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	35	0.24
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	38	0.24
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	39	0.24
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	18	0.24
(3,2515)	1:46:A:PRO:HB3	1:46:A:PRO:HD3	11	0.24
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	28	0.24
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	28	0.24
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	30	0.24
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	31	0.24
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	34	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	38	0.24
(3,2482)	1:9:A:PRO:HD2	1:8:A:GLU:HA	16	0.24
(3,2470)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	15	0.24
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	17	0.24
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	34	0.24
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	6	0.24
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	14	0.24
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	39	0.24
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	3	0.24
(3,2288)	1:96:A:GLU:HG3	1:97:A:LEU:H	5	0.24
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	1	0.24
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	1	0.24
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	19	0.24
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	19	0.24
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	28	0.24
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	28	0.24
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	2	0.24
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	6	0.24
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	7	0.24
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	12	0.24
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	19	0.24
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	21	0.24
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	29	0.24
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	39	0.24
(3,2216)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	40	0.24
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	20	0.24
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	21	0.24
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	3	0.24
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	3	0.24
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	3	0.24
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	4	0.24
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	4	0.24
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	4	0.24
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	6	0.24
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	6	0.24
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	6	0.24
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	7	0.24
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	7	0.24
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	7	0.24
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	10	0.24
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	10	0.24
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	11	0.24
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	11	0.24
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	11	0.24
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	16	0.24
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	16	0.24
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	16	0.24
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	32	0.24
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	32	0.24
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	32	0.24
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	34	0.24
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	34	0.24
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	34	0.24
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	36	0.24
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	36	0.24
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	36	0.24
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	38	0.24
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	38	0.24
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	38	0.24
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	5	0.24
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	5	0.24
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	5	0.24
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	5	0.24
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	5	0.24
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	5	0.24
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	23	0.24
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	23	0.24
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	23	0.24
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	23	0.24
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	23	0.24
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	23	0.24
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	25	0.24
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	25	0.24
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	25	0.24
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	25	0.24
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	25	0.24
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	25	0.24
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	5	0.24
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	5	0.24
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	5	0.24
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	7	0.24
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	7	0.24
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	26	0.24
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	26	0.24
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	26	0.24
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	32	0.24
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	32	0.24
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	32	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	3	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	4	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	5	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	7	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	10	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	13	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	14	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	15	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	17	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	19	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	20	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	21	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	22	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	23	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	24	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	25	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	29	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	30	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	31	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	32	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	34	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	35	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	36	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	38	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	39	0.24
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	40	0.24
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	15	0.24
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	18	0.24
(3,1962)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	27	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	2	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	2	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	2	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	3	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	3	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	3	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	4	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	4	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	7	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	7	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	7	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	10	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	10	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	10	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	11	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	11	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	11	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	12	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	12	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	12	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	16	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	16	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	16	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	18	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	18	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	18	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	19	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	19	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	19	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	21	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	21	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	21	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	22	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	22	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	22	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	24	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	24	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	24	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	26	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	26	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	26	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	28	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	28	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	28	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	29	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	29	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	29	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	31	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	31	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	31	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	32	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	32	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	32	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	36	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	36	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	36	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	37	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	37	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	37	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	38	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	38	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	38	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	39	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	39	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	39	0.24
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	40	0.24
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	40	0.24
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	40	0.24
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	1	0.24
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	7	0.24
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	16	0.24
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	12	0.24
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	12	0.24
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	12	0.24
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	19	0.24
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	19	0.24
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	19	0.24
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	39	0.24
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	39	0.24
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	39	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	3	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	4	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	5	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	7	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	10	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	13	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	14	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	15	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	17	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	20	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	21	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	22	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	23	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	24	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	25	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	29	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	30	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	31	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	32	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	34	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	35	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	36	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	38	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	39	0.24
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	40	0.24
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	1	0.24
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	3	0.24
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	5	0.24
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	8	0.24
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	11	0.24
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	14	0.24
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	16	0.24
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	11	0.24
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	11	0.24
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	11	0.24
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	30	0.24
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	30	0.24
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	30	0.24
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	2	0.24
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	4	0.24
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	11	0.24
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	24	0.24
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	38	0.24
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	15	0.24
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	15	0.24
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	15	0.24
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	14	0.24
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	14	0.24
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	14	0.24
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	9	0.24
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	9	0.24
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	11	0.24
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	11	0.24
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	11	0.24
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	20	0.24
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	20	0.24
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	20	0.24
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	36	0.24
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	36	0.24
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	36	0.24
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	29	0.24
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	29	0.24
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	29	0.24
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	12	0.24
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	12	0.24
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	12	0.24
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	39	0.24
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	39	0.24
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	39	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	3	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	3	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	3	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	5	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	5	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	5	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	6	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	6	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	6	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	7	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	7	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	7	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	9	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	9	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	9	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	10	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	10	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	10	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	12	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	12	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	12	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	16	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	16	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	17	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	17	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	17	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	18	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	18	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	18	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	19	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	19	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	19	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	20	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	20	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	20	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	23	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	23	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	23	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	25	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	25	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	25	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	26	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	26	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	26	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	29	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	29	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	29	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	30	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	30	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	30	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	31	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	31	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	31	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	32	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	32	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	32	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	33	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	33	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	33	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	34	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	34	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	34	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	37	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	37	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	37	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	38	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	38	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	38	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	39	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	39	0.24
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	39	0.24
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	3	0.24
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	28	0.24
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	11	0.24
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	15	0.24
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	16	0.24
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	18	0.24
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	21	0.24
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	24	0.24
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	33	0.24
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	35	0.24
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	37	0.24
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	39	0.24
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	11	0.24
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	37	0.24
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	5	0.24
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	30	0.24
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	35	0.24
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	37	0.24
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	12	0.24
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	2	0.24
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	8	0.24
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	9	0.24
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	10	0.24
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	19	0.24
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	21	0.24
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	32	0.24
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	33	0.24
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	34	0.24
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	39	0.24
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	26	0.24
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	26	0.24
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	26	0.24
(3,826)	1:17:A:GLN:H	1:17:A:GLN:HG2	37	0.24
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	10	0.24
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	10	0.24
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	16	0.24
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	16	0.24
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	16	0.24
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	37	0.24
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	37	0.24
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	37	0.24
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	38	0.24
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	38	0.24
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	38	0.24
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	12	0.24
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	15	0.24
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	16	0.24
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	20	0.24
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	28	0.24
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	29	0.24
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	36	0.24
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	11	0.24
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	14	0.24
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	17	0.24
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	18	0.24
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	20	0.24
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	23	0.24
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	26	0.24
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	39	0.24
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	40	0.24
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	1	0.24
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	2	0.24
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	4	0.24
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	18	0.24
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	21	0.24
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	22	0.24
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	25	0.24
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	27	0.24
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	29	0.24
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	30	0.24
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	33	0.24
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	35	0.24
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	38	0.24
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	39	0.24
(3,590)	1:3:A:ASP:H	1:2:A:ILE:HA	11	0.24
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	35	0.24
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	35	0.24
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	18	0.24
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	28	0.24
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	39	0.24
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	5	0.24
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	16	0.24
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	29	0.24
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	4	0.24
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	15	0.24
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	1	0.24
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	7	0.24
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	10	0.24
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	26	0.24
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	34	0.24
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	39	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	3	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	4	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	6	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	9	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	10	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	11	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	12	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	13	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	14	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	16	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	17	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	18	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	19	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	21	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	23	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	24	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	25	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	26	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	27	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	29	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	30	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	31	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	32	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	34	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	35	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	36	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	37	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	38	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	39	0.24
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	40	0.24
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	34	0.24
(3,365)	1:18:A:ASN:H	1:18:A:ASN:HB2	7	0.24
(3,365)	1:18:A:ASN:H	1:18:A:ASN:HB2	22	0.24
(3,365)	1:18:A:ASN:H	1:18:A:ASN:HB2	23	0.24
(3,365)	1:18:A:ASN:H	1:18:A:ASN:HB2	31	0.24
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	32	0.24
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	34	0.24
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	38	0.24
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	2	0.24
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	2	0.24
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	15	0.24
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	15	0.24
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	32	0.24
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	32	0.24
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	33	0.24
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	33	0.24
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	35	0.24
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	35	0.24
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	38	0.24
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	38	0.24
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	39	0.24
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	39	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	1	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	3	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	5	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	7	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	8	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	11	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	14	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	17	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	19	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	21	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	24	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	25	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	27	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	28	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	30	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	32	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	33	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	35	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	37	0.24
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	40	0.24
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	2	0.24
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	24	0.24
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	4	0.24
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	4	0.24
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	4	0.24
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	14	0.24
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	14	0.24
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	14	0.24
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	22	0.24
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	22	0.24
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	22	0.24
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	32	0.24
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	32	0.24
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	32	0.24
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	37	0.24
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	5	0.24
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	5	0.24
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	16	0.24
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	16	0.24
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	18	0.24
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	18	0.24
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	20	0.24
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	20	0.24
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	30	0.24
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	30	0.24
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	37	0.24
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	37	0.24
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	5	0.24
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	14	0.24
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	2	0.24
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	6	0.24
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	7	0.24
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	12	0.24
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	19	0.24
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	21	0.24
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	29	0.24
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	39	0.24
(1,3159)	1:42:A:TRP:HD1	1:42:A:TRP:HB3	40	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	8	0.24
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	8	0.24
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	9	0.24
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	9	0.24
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	12	0.24
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	12	0.24
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	24	0.24
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	24	0.24
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	26	0.24
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	26	0.24
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	27	0.24
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	27	0.24
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	38	0.24
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	38	0.24
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	27	0.24
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	27	0.24
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	7	0.24
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	18	0.24
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	25	0.24
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	34	0.24
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	2	0.24
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	6	0.24
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	17	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	2	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	3	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	5	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	8	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	10	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	11	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	12	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	14	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	16	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	20	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	21	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	24	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	25	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	26	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	27	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	29	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	31	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	32	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	33	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	37	0.24
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	40	0.24
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	8	0.24
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	17	0.24
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	22	0.24
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	23	0.24
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	24	0.24
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	26	0.24
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	30	0.24
(1,2916)	1:22:A:SER:HB2	1:22:A:SER:H	6	0.24
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	8	0.24
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	9	0.24
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	12	0.24
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	15	0.24
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	20	0.24
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	28	0.24
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	29	0.24
(1,2742)	1:86:A:GLU:HG2	1:86:A:GLU:HG3	35	0.24
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	13	0.24
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	14	0.24
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	15	0.24
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	22	0.24
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	26	0.24
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	6	0.24
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	8	0.24
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	12	0.24
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	13	0.24
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	19	0.24
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	28	0.24
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	29	0.24
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	33	0.24
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	35	0.24
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	36	0.24
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	40	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	1	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	2	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	3	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	4	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	5	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	6	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	7	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	9	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	10	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	11	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	12	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	13	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	14	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	15	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	16	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	17	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	18	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	19	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	20	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	21	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	22	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	23	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	24	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	25	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	26	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	27	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	28	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	29	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	30	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	31	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	32	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	33	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	34	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	35	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	36	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	37	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	38	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	39	0.24
(1,2667)	1:25:A:GLN:HG2	1:25:A:GLN:HG3	40	0.24
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	1	0.24
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	4	0.24
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	6	0.24
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	7	0.24
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	14	0.24
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	17	0.24
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	20	0.24
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	5	0.24
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	30	0.24
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	21	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	22	0.24
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	24	0.24
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	25	0.24
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	29	0.24
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	32	0.24
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	33	0.24
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	34	0.24
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	35	0.24
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	38	0.24
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	39	0.24
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	18	0.24
(1,2512)	1:46:A:PRO:HB3	1:46:A:PRO:HD3	11	0.24
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	28	0.24
(1,2479)	1:9:A:PRO:HD2	1:8:A:GLU:HA	16	0.24
(1,2467)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	15	0.24
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	17	0.24
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	34	0.24
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	6	0.24
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	14	0.24
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	39	0.24
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	3	0.24
(1,2285)	1:96:A:GLU:HG3	1:97:A:LEU:H	5	0.24
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	1	0.24
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	1	0.24
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	19	0.24
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	19	0.24
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	28	0.24
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	28	0.24
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	2	0.24
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	6	0.24
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	7	0.24
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	12	0.24
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	19	0.24
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	21	0.24
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	29	0.24
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	39	0.24
(1,2213)	1:42:A:TRP:HB3	1:42:A:TRP:HD1	40	0.24
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	20	0.24
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	21	0.24
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	3	0.24
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	3	0.24
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	4	0.24
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	4	0.24
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	4	0.24
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	6	0.24
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	6	0.24
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	6	0.24
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	7	0.24
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	7	0.24
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	7	0.24
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	10	0.24
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	10	0.24
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	10	0.24
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	11	0.24
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	11	0.24
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	11	0.24
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	16	0.24
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	16	0.24
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	16	0.24
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	32	0.24
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	32	0.24
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	32	0.24
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	34	0.24
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	34	0.24
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	34	0.24
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	36	0.24
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	36	0.24
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	36	0.24
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	38	0.24
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	38	0.24
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	38	0.24
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	2	0.24
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	2	0.24
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	2	0.24
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	5	0.24
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	5	0.24
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	5	0.24
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	5	0.24
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	5	0.24
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	5	0.24
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	23	0.24
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	23	0.24
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	23	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	23	0.24
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	23	0.24
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	23	0.24
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	25	0.24
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	25	0.24
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	25	0.24
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	25	0.24
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	25	0.24
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	25	0.24
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	5	0.24
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	5	0.24
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	5	0.24
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	7	0.24
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	7	0.24
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	7	0.24
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	26	0.24
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	26	0.24
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	26	0.24
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	32	0.24
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	32	0.24
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	32	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	3	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	4	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	5	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	7	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	10	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	13	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	14	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	15	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	17	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	19	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	20	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	21	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	22	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	23	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	24	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	25	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	29	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	30	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	31	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	32	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	34	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	35	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	36	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	38	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	39	0.24
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	40	0.24
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	15	0.24
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	18	0.24
(1,1959)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	27	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	2	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	2	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	2	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	3	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	3	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	3	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	4	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	4	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	4	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	7	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	7	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	7	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	10	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	10	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	10	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	11	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	11	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	11	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	12	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	12	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	12	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	16	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	16	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	16	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	18	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	18	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	18	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	19	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	19	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	19	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	21	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	21	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	21	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	22	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	22	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	22	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	24	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	24	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	24	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	26	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	26	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	26	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	28	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	28	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	28	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	29	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	29	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	29	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	31	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	31	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	31	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	32	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	32	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	32	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	36	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	36	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	36	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	37	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	37	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	37	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	38	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	38	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	38	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	39	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	39	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	39	0.24
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	40	0.24
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	40	0.24
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	40	0.24
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	1	0.24
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	7	0.24
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	16	0.24
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	3	0.24
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	3	0.24
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	3	0.24
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	3	0.24
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	3	0.24
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	3	0.24
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	3	0.24
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	3	0.24
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	8	0.24
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	8	0.24
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	8	0.24
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	8	0.24
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	8	0.24
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	8	0.24
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	8	0.24
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	8	0.24
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	8	0.24
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	14	0.24
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	14	0.24
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	14	0.24
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	14	0.24
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	14	0.24
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	14	0.24
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	14	0.24
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	14	0.24
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	14	0.24
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	26	0.24
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	26	0.24
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	26	0.24
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	26	0.24
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	26	0.24
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	26	0.24
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	26	0.24
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	26	0.24
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	26	0.24
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	12	0.24
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	12	0.24
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	12	0.24
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	19	0.24
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	19	0.24
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	19	0.24
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	39	0.24
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	39	0.24
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	39	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	4	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	5	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	7	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	10	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	13	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	14	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	15	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	17	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	19	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	20	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	21	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	22	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	23	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	24	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	25	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	29	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	30	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	31	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	32	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	34	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	35	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	36	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	38	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	39	0.24
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	40	0.24
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	1	0.24
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	3	0.24
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	5	0.24
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	8	0.24
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	11	0.24
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	14	0.24
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	16	0.24
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	11	0.24
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	11	0.24
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	11	0.24
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	30	0.24
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	30	0.24
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	30	0.24
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	2	0.24
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	4	0.24
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	11	0.24
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	24	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	38	0.24
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	15	0.24
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	15	0.24
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	15	0.24
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	14	0.24
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	14	0.24
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	14	0.24
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	9	0.24
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	9	0.24
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	9	0.24
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	11	0.24
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	11	0.24
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	11	0.24
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	20	0.24
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	20	0.24
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	20	0.24
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	36	0.24
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	36	0.24
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	36	0.24
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	29	0.24
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	29	0.24
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	29	0.24
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	12	0.24
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	12	0.24
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	12	0.24
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	39	0.24
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	39	0.24
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	39	0.24
(1,1237)	1:13:A:THR:HG21	1:34:A:SER:HB2	26	0.24
(1,1237)	1:13:A:THR:HG22	1:34:A:SER:HB2	26	0.24
(1,1237)	1:13:A:THR:HG23	1:34:A:SER:HB2	26	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	3	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	3	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	3	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	5	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	5	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	5	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	6	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	6	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	6	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	7	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	7	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	9	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	9	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	9	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	10	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	10	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	10	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	12	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	12	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	12	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	16	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	16	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	16	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	17	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	17	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	17	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	18	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	18	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	18	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	19	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	19	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	19	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	20	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	20	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	20	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	23	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	23	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	23	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	25	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	25	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	25	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	26	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	26	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	26	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	29	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	29	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	29	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	30	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	30	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	30	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	31	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	31	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	31	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	32	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	32	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	32	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	33	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	33	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	33	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	34	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	34	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	34	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	37	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	37	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	37	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	38	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	38	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	38	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	39	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	39	0.24
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	39	0.24
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	3	0.24
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	28	0.24
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	11	0.24
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	15	0.24
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	16	0.24
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	18	0.24
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	21	0.24
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	24	0.24
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	33	0.24
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	35	0.24
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	37	0.24
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	39	0.24
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	11	0.24
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	37	0.24
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	5	0.24
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	30	0.24
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	35	0.24
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	37	0.24
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	12	0.24
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	2	0.24
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	8	0.24
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	9	0.24
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	19	0.24
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	21	0.24
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	32	0.24
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	33	0.24
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	34	0.24
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	39	0.24
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	26	0.24
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	26	0.24
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	26	0.24
(1,826)	1:17:A:GLN:H	1:17:A:GLN:HG2	37	0.24
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	10	0.24
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	10	0.24
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	10	0.24
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	16	0.24
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	16	0.24
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	16	0.24
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	37	0.24
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	37	0.24
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	37	0.24
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	38	0.24
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	38	0.24
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	38	0.24
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	12	0.24
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	15	0.24
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	16	0.24
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	20	0.24
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	28	0.24
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	29	0.24
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	36	0.24
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	11	0.24
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	14	0.24
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	17	0.24
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	18	0.24
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	20	0.24
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	23	0.24
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	26	0.24
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	39	0.24
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	40	0.24
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	1	0.24
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	2	0.24
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	4	0.24
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	21	0.24
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	22	0.24
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	25	0.24
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	27	0.24
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	29	0.24
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	30	0.24
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	33	0.24
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	35	0.24
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	38	0.24
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	39	0.24
(1,590)	1:3:A:ASP:H	1:2:A:ILE:HA	11	0.24
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	35	0.24
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	35	0.24
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	18	0.24
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	28	0.24
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	39	0.24
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	5	0.24
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	16	0.24
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	29	0.24
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	4	0.24
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	15	0.24
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	1	0.24
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	7	0.24
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	10	0.24
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	26	0.24
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	34	0.24
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	39	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	3	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	4	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	6	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	9	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	10	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	11	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	12	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	13	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	14	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	16	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	17	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	18	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	19	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	21	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	23	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	24	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	25	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	26	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	27	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	29	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	30	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	31	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	32	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	34	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	35	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	36	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	37	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	38	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	39	0.24
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	40	0.24
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	34	0.24
(1,365)	1:18:A:ASN:H	1:18:A:ASN:HB2	7	0.24
(1,365)	1:18:A:ASN:H	1:18:A:ASN:HB2	22	0.24
(1,365)	1:18:A:ASN:H	1:18:A:ASN:HB2	23	0.24
(1,365)	1:18:A:ASN:H	1:18:A:ASN:HB2	31	0.24
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	32	0.24
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	34	0.24
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	38	0.24
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	2	0.24
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	2	0.24
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	15	0.24
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	15	0.24
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	32	0.24
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	32	0.24
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	33	0.24
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	33	0.24
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	35	0.24
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	35	0.24
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	38	0.24
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	38	0.24
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	39	0.24
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	39	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	1	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	3	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	5	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	7	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	11	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	14	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	17	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	19	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	21	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	24	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	25	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	27	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	28	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	30	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	32	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	33	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	35	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	37	0.24
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	40	0.24
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	12	0.24
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	2	0.24
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	24	0.24
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	4	0.24
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	4	0.24
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	4	0.24
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	14	0.24
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	14	0.24
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	14	0.24
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	22	0.24
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	22	0.24
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	22	0.24
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	32	0.24
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	32	0.24
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	32	0.24
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	17	0.23
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	17	0.23
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	28	0.23
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	28	0.23
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	31	0.23
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	31	0.23
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	2	0.23
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	2	0.23
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	2	0.23
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	2	0.23
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	2	0.23
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	2	0.23
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	2	0.23
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	5	0.23
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	5	0.23
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	11	0.23
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	11	0.23
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	13	0.23
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	13	0.23
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	18	0.23
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	18	0.23
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	21	0.23
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	21	0.23
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	30	0.23
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	30	0.23
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	5	0.23
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	5	0.23
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	5	0.23
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	11	0.23
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	27	0.23
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	29	0.23
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	4	0.23
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	6	0.23
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	7	0.23
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	17	0.23
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	19	0.23
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	28	0.23
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	34	0.23
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	35	0.23
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	36	0.23
(3,3054)	1:57:A:PHE:HB3	1:57:A:PHE:H	39	0.23
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	20	0.23
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	20	0.23
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	20	0.23
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	27	0.23
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	27	0.23
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	27	0.23
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	5	0.23
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	5	0.23
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	27	0.23
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	39	0.23
(3,2923)	1:22:A:SER:HB2	1:22:A:SER:H	7	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	2	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	3	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	4	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	5	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	6	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	7	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	8	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	9	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	10	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	11	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	14	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	15	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	16	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	18	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	21	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	23	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	25	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	26	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	27	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	29	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	31	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	32	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	33	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	35	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	36	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	37	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	38	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	39	0.23
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	40	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	1	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	2	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	3	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	4	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	5	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	6	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	7	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	8	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	9	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	10	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	11	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	14	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	16	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	18	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	21	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	23	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	25	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	26	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	27	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	29	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	31	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	32	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	33	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	35	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	36	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	37	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	38	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	39	0.23
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	40	0.23
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	12	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	2	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	3	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	5	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	6	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	8	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	9	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	10	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	11	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	12	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	18	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	21	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	24	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	25	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	27	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	29	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	30	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	31	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	34	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	35	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	36	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	37	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	38	0.23
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	39	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	2	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	3	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	4	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	5	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	9	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	11	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	14	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	15	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	16	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	17	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	20	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	21	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	22	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	24	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	25	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	26	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	27	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	30	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	32	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	34	0.23
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	38	0.23
(3,2676)	1:25:A:GLN:HG3	1:22:A:SER:HB2	7	0.23
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	5	0.23
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	9	0.23
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	10	0.23
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	28	0.23
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	29	0.23
(3,2602)	1:36:A:ASP:HB2	1:37:A:ASP:H	40	0.23
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	2	0.23
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	6	0.23
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	10	0.23
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	19	0.23
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	20	0.23
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	28	0.23
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	32	0.23
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	23	0.23
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	36	0.23
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	37	0.23
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	40	0.23
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	7	0.23
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	8	0.23
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	13	0.23
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	21	0.23
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	24	0.23
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	25	0.23
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	36	0.23
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	39	0.23
(3,2470)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	17	0.23
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	34	0.23
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	34	0.23
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	34	0.23
(3,2327)	1:80:A:SER:HB2	1:94:A:THR:HG21	28	0.23
(3,2327)	1:80:A:SER:HB2	1:94:A:THR:HG22	28	0.23
(3,2327)	1:80:A:SER:HB2	1:94:A:THR:HG23	28	0.23
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	1	0.23
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	18	0.23
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	20	0.23
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	23	0.23
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	25	0.23
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	30	0.23
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	32	0.23
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	36	0.23
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	6	0.23
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	25	0.23
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	25	0.23
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	34	0.23
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	34	0.23
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	38	0.23
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	38	0.23
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	40	0.23
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	40	0.23
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	2	0.23
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	4	0.23
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	16	0.23
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	18	0.23
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	19	0.23
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	37	0.23
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	39	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	1	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	2	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	3	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	4	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	6	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	7	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	8	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	9	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	10	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	11	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	12	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	13	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	14	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	15	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	17	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	18	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	19	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	20	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	21	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	22	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	23	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	24	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	25	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	26	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	27	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	28	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	29	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	30	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	31	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	32	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	34	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	35	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	36	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	37	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	38	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	39	0.23
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	40	0.23
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	8	0.23
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	8	0.23
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	8	0.23
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	9	0.23
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	9	0.23
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	9	0.23
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	16	0.23
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	16	0.23
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	18	0.23
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	18	0.23
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	18	0.23
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	20	0.23
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	20	0.23
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	20	0.23
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	27	0.23
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	27	0.23
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	27	0.23
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	28	0.23
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	28	0.23
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	28	0.23
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	31	0.23
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	31	0.23
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	31	0.23
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	32	0.23
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	32	0.23
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	32	0.23
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	38	0.23
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	38	0.23
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	38	0.23
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	40	0.23
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	40	0.23
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	40	0.23
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	9	0.23
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	9	0.23
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	9	0.23
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	14	0.23
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	14	0.23
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	14	0.23
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	19	0.23
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	19	0.23
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	19	0.23
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	23	0.23
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	23	0.23
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	23	0.23
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	25	0.23
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	25	0.23
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	25	0.23
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	26	0.23
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	26	0.23
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	26	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	27	0.23
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	27	0.23
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	27	0.23
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	29	0.23
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	29	0.23
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	29	0.23
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	30	0.23
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	30	0.23
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	30	0.23
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	33	0.23
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	33	0.23
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	33	0.23
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	17	0.23
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	17	0.23
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	17	0.23
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	17	0.23
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	17	0.23
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	17	0.23
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	18	0.23
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	18	0.23
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	18	0.23
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	18	0.23
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	18	0.23
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	18	0.23
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	22	0.23
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	22	0.23
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	22	0.23
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	22	0.23
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	22	0.23
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	22	0.23
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	27	0.23
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	27	0.23
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	27	0.23
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	27	0.23
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	27	0.23
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	27	0.23
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	32	0.23
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	32	0.23
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	32	0.23
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	32	0.23
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	32	0.23
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	32	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	36	0.23
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	36	0.23
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	36	0.23
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	36	0.23
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	36	0.23
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	36	0.23
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	14	0.23
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	14	0.23
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	14	0.23
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	29	0.23
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	29	0.23
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	29	0.23
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	40	0.23
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	40	0.23
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	40	0.23
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	13	0.23
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	13	0.23
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	13	0.23
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	18	0.23
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	18	0.23
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	18	0.23
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	25	0.23
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	25	0.23
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	25	0.23
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	27	0.23
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	27	0.23
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	27	0.23
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	30	0.23
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	30	0.23
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	30	0.23
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	34	0.23
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	34	0.23
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	34	0.23
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	36	0.23
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	36	0.23
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	36	0.23
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	37	0.23
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	37	0.23
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	37	0.23
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	2	0.23
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	6	0.23
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	11	0.23
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	16	0.23
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	18	0.23
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	26	0.23
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	27	0.23
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	28	0.23
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	33	0.23
(3,1963)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	37	0.23
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	1	0.23
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	1	0.23
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	1	0.23
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	5	0.23
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	5	0.23
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	5	0.23
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	6	0.23
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	6	0.23
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	6	0.23
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	8	0.23
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	8	0.23
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	8	0.23
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	14	0.23
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	14	0.23
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	14	0.23
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	17	0.23
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	17	0.23
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	17	0.23
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	20	0.23
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	20	0.23
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	20	0.23
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	23	0.23
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	23	0.23
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	23	0.23
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	25	0.23
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	25	0.23
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	25	0.23
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	27	0.23
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	27	0.23
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	27	0.23
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	30	0.23
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	30	0.23
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	30	0.23
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	34	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	34	0.23
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	34	0.23
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	35	0.23
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	35	0.23
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	35	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	3	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	6	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	8	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	12	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	13	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	14	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	17	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	19	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	20	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	21	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	24	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	25	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	26	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	27	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	28	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	29	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	30	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	31	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	32	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	33	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	36	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	37	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	38	0.23
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	39	0.23
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	15	0.23
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	15	0.23
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	15	0.23
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	38	0.23
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	38	0.23
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	2	0.23
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	6	0.23
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	8	0.23
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	11	0.23
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	16	0.23
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	18	0.23
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	26	0.23
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	27	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	28	0.23
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	33	0.23
(3,1805)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	37	0.23
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	15	0.23
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	19	0.23
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	20	0.23
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	2	0.23
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	2	0.23
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	2	0.23
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	13	0.23
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	13	0.23
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	13	0.23
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	17	0.23
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	17	0.23
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	17	0.23
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	11	0.23
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	11	0.23
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	11	0.23
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	11	0.23
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	11	0.23
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	11	0.23
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	11	0.23
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	11	0.23
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	11	0.23
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	24	0.23
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	24	0.23
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	24	0.23
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	27	0.23
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	27	0.23
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	27	0.23
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	28	0.23
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	28	0.23
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	28	0.23
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	35	0.23
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	35	0.23
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	35	0.23
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	40	0.23
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	40	0.23
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	40	0.23
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	26	0.23
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	26	0.23
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	26	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	31	0.23
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	31	0.23
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	31	0.23
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	36	0.23
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	36	0.23
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	36	0.23
(3,1540)	1:39:A:ILE:HD11	1:40:A:VAL:H	36	0.23
(3,1540)	1:39:A:ILE:HD12	1:40:A:VAL:H	36	0.23
(3,1540)	1:39:A:ILE:HD13	1:40:A:VAL:H	36	0.23
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	3	0.23
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	5	0.23
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	6	0.23
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	7	0.23
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	10	0.23
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	14	0.23
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	16	0.23
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	17	0.23
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	23	0.23
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	25	0.23
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	27	0.23
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	30	0.23
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	37	0.23
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	39	0.23
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	40	0.23
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	19	0.23
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	19	0.23
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	19	0.23
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	28	0.23
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	28	0.23
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	28	0.23
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	11	0.23
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	11	0.23
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	11	0.23
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	27	0.23
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	27	0.23
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	27	0.23
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	1	0.23
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	1	0.23
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	1	0.23
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	3	0.23
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	3	0.23
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	7	0.23
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	7	0.23
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	7	0.23
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	20	0.23
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	20	0.23
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	20	0.23
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	33	0.23
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	33	0.23
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	33	0.23
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	37	0.23
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	37	0.23
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	37	0.23
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	5	0.23
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	5	0.23
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	5	0.23
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	5	0.23
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	5	0.23
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	5	0.23
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	17	0.23
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	17	0.23
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	17	0.23
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	11	0.23
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	11	0.23
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	11	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	1	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	1	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	1	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	8	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	8	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	8	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	13	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	13	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	13	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	14	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	14	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	14	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	15	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	15	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	15	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	21	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	21	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	21	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	22	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	22	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	22	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	27	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	27	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	27	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	28	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	28	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	28	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	35	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	35	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	35	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	40	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	40	0.23
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	40	0.23
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	1	0.23
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	9	0.23
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	20	0.23
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	26	0.23
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	9	0.23
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	12	0.23
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	6	0.23
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	7	0.23
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	10	0.23
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	14	0.23
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	17	0.23
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	20	0.23
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	22	0.23
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	30	0.23
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	31	0.23
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	9	0.23
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	3	0.23
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	5	0.23
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	6	0.23
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	7	0.23
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	9	0.23
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	16	0.23
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	23	0.23
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	34	0.23
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	35	0.23
(3,920)	1:37:A:ASP:H	1:36:A:ASP:HB2	40	0.23
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	6	0.23
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	10	0.23
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	19	0.23
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	20	0.23
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	28	0.23
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	32	0.23
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	28	0.23
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	5	0.23
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	9	0.23
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	11	0.23
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	15	0.23
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	30	0.23
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	36	0.23
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	6	0.23
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	6	0.23
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	6	0.23
(3,826)	1:17:A:GLN:H	1:17:A:GLN:HG2	28	0.23
(3,826)	1:17:A:GLN:H	1:17:A:GLN:HG2	29	0.23
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	12	0.23
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	12	0.23
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	12	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	8	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	14	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	21	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	22	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	23	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	24	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	25	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	26	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	27	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	30	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	31	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	32	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	33	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	34	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	35	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	38	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	39	0.23
(3,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	40	0.23
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	2	0.23
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	3	0.23
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	24	0.23
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	35	0.23
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	1	0.23
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	4	0.23
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	6	0.23
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	7	0.23
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	12	0.23
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	13	0.23
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	19	0.23
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	21	0.23
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	24	0.23
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	28	0.23
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	29	0.23
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	31	0.23
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	32	0.23
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	36	0.23
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	8	0.23
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	17	0.23
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	21	0.23
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	26	0.23
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	31	0.23
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	32	0.23
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	35	0.23
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	36	0.23
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	37	0.23
(3,590)	1:3:A:ASP:H	1:2:A:ILE:HA	15	0.23
(3,590)	1:3:A:ASP:H	1:2:A:ILE:HA	33	0.23
(3,590)	1:3:A:ASP:H	1:2:A:ILE:HA	35	0.23
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	2	0.23
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	39	0.23
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	19	0.23
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	23	0.23
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	33	0.23
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	36	0.23
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	40	0.23
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	6	0.23
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	7	0.23
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	5	0.23
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	40	0.23
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	1	0.23
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	5	0.23
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	15	0.23
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	20	0.23
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	33	0.23
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	28	0.23
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	36	0.23
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	28	0.23
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	29	0.23
(3,365)	1:18:A:ASN:H	1:18:A:ASN:HB2	6	0.23
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	15	0.23
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	16	0.23
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	28	0.23
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	35	0.23
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	36	0.23
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	37	0.23
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	8	0.23
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	8	0.23
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	9	0.23
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	9	0.23
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	22	0.23
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	22	0.23
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	24	0.23
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	24	0.23
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	40	0.23
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	40	0.23
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	4	0.23
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	6	0.23
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	9	0.23
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	10	0.23
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	15	0.23
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	18	0.23
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	20	0.23
(3,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	26	0.23
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	11	0.23
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	19	0.23
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	36	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	1	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	3	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	4	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	5	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	6	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	8	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	10	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	12	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	14	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	15	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	17	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	18	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	20	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	22	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	23	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	25	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	26	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	27	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	29	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	30	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	31	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	32	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	33	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	34	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	35	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	37	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	39	0.23
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	40	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	7	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	7	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	7	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	13	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	13	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	13	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	20	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	20	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	20	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	21	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	21	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	21	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	23	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	23	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	23	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	25	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	25	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	25	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	35	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	35	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	35	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	36	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	36	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	36	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	38	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	38	0.23
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	38	0.23
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	17	0.23
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	17	0.23
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	28	0.23
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	28	0.23
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	31	0.23
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	31	0.23
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	2	0.23
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	2	0.23
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	2	0.23
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	2	0.23
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	2	0.23
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	2	0.23
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	2	0.23
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	2	0.23
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	5	0.23
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	5	0.23
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	11	0.23
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	11	0.23
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	13	0.23
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	13	0.23
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	18	0.23
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	18	0.23
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	21	0.23
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	21	0.23
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	30	0.23
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	30	0.23
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	5	0.23
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	5	0.23
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	5	0.23
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	11	0.23
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	27	0.23
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	29	0.23
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	4	0.23
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	6	0.23
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	17	0.23
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	19	0.23
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	28	0.23
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	34	0.23
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	35	0.23
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	36	0.23
(1,3046)	1:57:A:PHE:HB3	1:57:A:PHE:H	39	0.23
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	20	0.23
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	20	0.23
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	20	0.23
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	27	0.23
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	27	0.23
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	27	0.23
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	5	0.23
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	5	0.23
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	27	0.23
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	39	0.23
(1,2916)	1:22:A:SER:HB2	1:22:A:SER:H	7	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	1	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	2	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	3	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	4	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	5	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	6	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	7	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	8	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	9	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	10	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	11	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	14	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	15	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	16	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	18	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	21	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	23	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	25	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	26	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	27	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	29	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	31	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	32	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	33	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	35	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	36	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	37	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	38	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	39	0.23
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	40	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	1	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	2	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	3	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	4	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	5	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	6	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	7	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	8	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	9	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	10	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	11	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	14	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	15	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	16	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	18	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	21	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	23	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	25	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	26	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	27	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	29	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	31	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	32	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	33	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	35	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	36	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	37	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	38	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	39	0.23
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	40	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	2	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	3	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	5	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	6	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	8	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	10	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	11	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	12	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	18	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	21	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	24	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	25	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	27	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	29	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	30	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	31	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	34	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	35	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	36	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	37	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	38	0.23
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	39	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	1	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	2	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	3	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	4	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	5	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	9	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	11	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	14	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	15	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	16	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	17	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	20	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	21	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	22	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	24	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	25	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	26	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	27	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	30	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	32	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	34	0.23
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	38	0.23
(1,2672)	1:25:A:GLN:HG3	1:22:A:SER:HB2	7	0.23
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	5	0.23
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	10	0.23
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	28	0.23
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	29	0.23
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	3	0.23
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	5	0.23
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	8	0.23
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	19	0.23
(1,2598)	1:36:A:ASP:HB2	1:37:A:ASP:H	40	0.23
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	2	0.23
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	6	0.23
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	10	0.23
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	19	0.23
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	20	0.23
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	28	0.23
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	32	0.23
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	23	0.23
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	36	0.23
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	37	0.23
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	40	0.23
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	7	0.23
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	8	0.23
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	12	0.23
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	13	0.23
(1,2467)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	17	0.23
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	34	0.23
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	34	0.23
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	34	0.23
(1,2324)	1:80:A:SER:HB2	1:94:A:THR:HG21	28	0.23
(1,2324)	1:80:A:SER:HB2	1:94:A:THR:HG22	28	0.23
(1,2324)	1:80:A:SER:HB2	1:94:A:THR:HG23	28	0.23
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	1	0.23
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	18	0.23
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	20	0.23
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	23	0.23
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	25	0.23
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	30	0.23
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	32	0.23
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	36	0.23
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	6	0.23
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	25	0.23
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	25	0.23
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	34	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	34	0.23
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	38	0.23
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	38	0.23
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	40	0.23
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	40	0.23
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	2	0.23
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	4	0.23
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	16	0.23
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	18	0.23
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	19	0.23
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	37	0.23
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	39	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	1	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	2	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	3	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	4	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	5	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	6	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	7	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	8	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	9	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	10	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	11	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	12	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	13	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	14	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	15	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	17	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	18	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	19	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	20	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	21	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	22	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	23	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	24	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	25	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	26	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	27	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	28	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	29	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	30	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	31	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	32	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	34	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	35	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	36	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	37	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	38	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	39	0.23
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	40	0.23
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	8	0.23
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	8	0.23
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	8	0.23
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	9	0.23
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	9	0.23
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	9	0.23
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	16	0.23
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	16	0.23
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	16	0.23
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	18	0.23
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	18	0.23
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	18	0.23
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	20	0.23
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	20	0.23
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	20	0.23
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	27	0.23
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	27	0.23
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	27	0.23
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	28	0.23
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	28	0.23
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	28	0.23
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	31	0.23
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	31	0.23
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	31	0.23
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	32	0.23
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	32	0.23
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	32	0.23
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	38	0.23
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	38	0.23
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	38	0.23
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	40	0.23
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	40	0.23
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	40	0.23
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	9	0.23
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	9	0.23
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	14	0.23
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	14	0.23
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	14	0.23
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	19	0.23
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	19	0.23
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	19	0.23
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	23	0.23
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	23	0.23
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	23	0.23
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	25	0.23
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	25	0.23
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	25	0.23
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	26	0.23
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	26	0.23
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	26	0.23
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	27	0.23
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	27	0.23
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	27	0.23
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	29	0.23
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	29	0.23
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	29	0.23
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	30	0.23
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	30	0.23
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	30	0.23
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	33	0.23
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	33	0.23
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	33	0.23
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	13	0.23
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	13	0.23
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	13	0.23
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	17	0.23
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	17	0.23
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	17	0.23
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	17	0.23
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	17	0.23
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	17	0.23
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	18	0.23
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	18	0.23
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	18	0.23
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	18	0.23
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	18	0.23
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	22	0.23
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	22	0.23
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	22	0.23
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	22	0.23
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	22	0.23
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	22	0.23
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	27	0.23
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	27	0.23
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	27	0.23
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	27	0.23
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	27	0.23
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	27	0.23
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	32	0.23
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	32	0.23
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	32	0.23
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	32	0.23
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	32	0.23
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	32	0.23
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	36	0.23
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	36	0.23
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	36	0.23
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	36	0.23
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	36	0.23
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	36	0.23
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	14	0.23
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	14	0.23
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	14	0.23
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	29	0.23
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	29	0.23
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	29	0.23
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	40	0.23
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	40	0.23
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	40	0.23
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	13	0.23
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	13	0.23
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	13	0.23
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	18	0.23
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	18	0.23
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	18	0.23
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	25	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	25	0.23
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	25	0.23
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	27	0.23
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	27	0.23
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	27	0.23
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	30	0.23
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	30	0.23
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	30	0.23
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	34	0.23
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	34	0.23
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	34	0.23
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	36	0.23
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	36	0.23
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	36	0.23
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	37	0.23
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	37	0.23
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	37	0.23
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	2	0.23
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	6	0.23
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	8	0.23
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	11	0.23
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	16	0.23
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	18	0.23
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	26	0.23
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	27	0.23
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	28	0.23
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	33	0.23
(1,1960)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	37	0.23
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	1	0.23
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	1	0.23
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	1	0.23
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	5	0.23
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	5	0.23
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	5	0.23
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	6	0.23
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	6	0.23
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	6	0.23
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	8	0.23
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	8	0.23
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	8	0.23
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	14	0.23
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	14	0.23
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	17	0.23
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	17	0.23
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	17	0.23
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	20	0.23
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	20	0.23
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	20	0.23
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	23	0.23
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	23	0.23
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	23	0.23
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	25	0.23
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	25	0.23
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	25	0.23
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	27	0.23
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	27	0.23
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	27	0.23
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	30	0.23
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	30	0.23
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	30	0.23
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	34	0.23
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	34	0.23
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	34	0.23
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	35	0.23
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	35	0.23
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	35	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	3	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	6	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	8	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	12	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	13	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	14	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	17	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	19	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	20	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	21	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	24	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	25	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	26	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	27	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	28	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	29	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	30	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	31	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	32	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	33	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	36	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	37	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	38	0.23
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	39	0.23
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	9	0.23
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	9	0.23
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	9	0.23
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	9	0.23
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	9	0.23
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	9	0.23
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	9	0.23
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	9	0.23
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	9	0.23
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	31	0.23
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	31	0.23
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	31	0.23
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	31	0.23
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	31	0.23
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	31	0.23
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	31	0.23
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	31	0.23
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	31	0.23
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	15	0.23
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	15	0.23
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	15	0.23
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	38	0.23
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	38	0.23
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	2	0.23
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	6	0.23
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	8	0.23
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	11	0.23
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	16	0.23
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	18	0.23
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	26	0.23
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	27	0.23
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	28	0.23
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	33	0.23
(1,1802)	1:98:A:LYS:HG2	1:98:A:LYS:HD2	37	0.23
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	19	0.23
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	20	0.23
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	2	0.23
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	2	0.23
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	2	0.23
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	13	0.23
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	13	0.23
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	13	0.23
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	17	0.23
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	17	0.23
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	17	0.23
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	11	0.23
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	11	0.23
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	11	0.23
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	11	0.23
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	11	0.23
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	11	0.23
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	11	0.23
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	11	0.23
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	11	0.23
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	24	0.23
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	24	0.23
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	24	0.23
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	27	0.23
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	27	0.23
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	27	0.23
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	28	0.23
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	28	0.23
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	28	0.23
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	35	0.23
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	35	0.23
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	35	0.23
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	40	0.23
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	40	0.23
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	40	0.23
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	26	0.23
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	26	0.23
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	26	0.23
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	31	0.23
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	31	0.23
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	31	0.23
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	36	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	36	0.23
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	36	0.23
(1,1536)	1:39:A:ILE:HD11	1:40:A:VAL:H	36	0.23
(1,1536)	1:39:A:ILE:HD12	1:40:A:VAL:H	36	0.23
(1,1536)	1:39:A:ILE:HD13	1:40:A:VAL:H	36	0.23
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	3	0.23
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	5	0.23
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	6	0.23
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	7	0.23
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	10	0.23
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	14	0.23
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	16	0.23
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	17	0.23
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	23	0.23
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	25	0.23
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	27	0.23
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	30	0.23
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	37	0.23
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	39	0.23
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	40	0.23
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	19	0.23
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	19	0.23
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	19	0.23
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	28	0.23
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	28	0.23
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	28	0.23
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	11	0.23
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	11	0.23
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	11	0.23
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	27	0.23
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	27	0.23
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	27	0.23
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	1	0.23
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	1	0.23
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	1	0.23
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	3	0.23
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	3	0.23
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	3	0.23
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	7	0.23
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	7	0.23
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	7	0.23
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	20	0.23
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	20	0.23
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	33	0.23
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	33	0.23
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	33	0.23
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	37	0.23
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	37	0.23
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	37	0.23
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	5	0.23
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	5	0.23
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	5	0.23
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	5	0.23
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	5	0.23
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	5	0.23
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	17	0.23
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	17	0.23
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	17	0.23
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	11	0.23
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	11	0.23
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	11	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	1	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	1	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	1	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	8	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	8	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	8	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	13	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	13	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	13	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	14	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	14	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	14	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	15	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	15	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	15	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	21	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	21	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	21	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	22	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	22	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	22	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	27	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	27	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	27	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	28	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	28	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	28	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	35	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	35	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	35	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	40	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	40	0.23
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	40	0.23
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	1	0.23
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	9	0.23
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	20	0.23
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	26	0.23
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	9	0.23
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	12	0.23
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	6	0.23
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	7	0.23
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	10	0.23
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	14	0.23
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	17	0.23
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	20	0.23
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	22	0.23
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	30	0.23
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	31	0.23
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	9	0.23
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	3	0.23
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	5	0.23
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	6	0.23
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	7	0.23
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	9	0.23
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	16	0.23
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	23	0.23
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	34	0.23
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	35	0.23
(1,919)	1:37:A:ASP:H	1:36:A:ASP:HB2	40	0.23
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	2	0.23
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	6	0.23
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	10	0.23
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	19	0.23
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	28	0.23
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	32	0.23
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	28	0.23
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	5	0.23
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	9	0.23
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	11	0.23
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	15	0.23
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	30	0.23
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	36	0.23
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	6	0.23
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	6	0.23
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	6	0.23
(1,826)	1:17:A:GLN:H	1:17:A:GLN:HG2	28	0.23
(1,826)	1:17:A:GLN:H	1:17:A:GLN:HG2	29	0.23
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	12	0.23
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	12	0.23
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	12	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	8	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	14	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	21	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	22	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	23	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	24	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	25	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	26	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	27	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	30	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	31	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	32	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	33	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	34	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	35	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	38	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	39	0.23
(1,768)	1:75:A:ASP:H	1:75:A:ASP:HB3	40	0.23
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	2	0.23
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	3	0.23
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	10	0.23
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	24	0.23
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	35	0.23
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	1	0.23
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	6	0.23
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	7	0.23
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	12	0.23
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	13	0.23
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	19	0.23
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	21	0.23
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	24	0.23
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	28	0.23
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	29	0.23
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	31	0.23
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	32	0.23
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	36	0.23
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	8	0.23
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	17	0.23
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	21	0.23
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	26	0.23
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	31	0.23
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	32	0.23
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	35	0.23
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	36	0.23
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	37	0.23
(1,590)	1:3:A:ASP:H	1:2:A:ILE:HA	15	0.23
(1,590)	1:3:A:ASP:H	1:2:A:ILE:HA	33	0.23
(1,590)	1:3:A:ASP:H	1:2:A:ILE:HA	35	0.23
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	2	0.23
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	39	0.23
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	19	0.23
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	23	0.23
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	33	0.23
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	36	0.23
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	40	0.23
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	6	0.23
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	7	0.23
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	5	0.23
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	40	0.23
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	1	0.23
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	5	0.23
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	8	0.23
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	15	0.23
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	20	0.23
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	33	0.23
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	28	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	36	0.23
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	28	0.23
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	29	0.23
(1,365)	1:18:A:ASN:H	1:18:A:ASN:HB2	6	0.23
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	15	0.23
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	16	0.23
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	28	0.23
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	35	0.23
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	36	0.23
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	37	0.23
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	8	0.23
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	8	0.23
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	9	0.23
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	9	0.23
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	22	0.23
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	22	0.23
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	24	0.23
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	24	0.23
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	40	0.23
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	40	0.23
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	4	0.23
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	6	0.23
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	9	0.23
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	10	0.23
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	15	0.23
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	18	0.23
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	20	0.23
(1,169)	1:10:A:ILE:H	1:10:A:ILE:HG12	26	0.23
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	10	0.23
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	19	0.23
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	11	0.23
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	19	0.23
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	36	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	1	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	3	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	4	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	5	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	6	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	8	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	9	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	10	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	14	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	15	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	17	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	18	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	20	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	22	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	23	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	25	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	26	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	27	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	29	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	30	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	31	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	32	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	33	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	34	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	35	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	37	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	39	0.23
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	40	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	7	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	7	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	7	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	13	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	13	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	13	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	20	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	20	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	20	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	21	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	21	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	21	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	23	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	23	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	23	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	25	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	25	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	25	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	35	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	35	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	35	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	36	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	36	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	36	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	38	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	38	0.23
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	38	0.23
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	13	0.22
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	13	0.22
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	15	0.22
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	15	0.22
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	25	0.22
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	25	0.22
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	29	0.22
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	29	0.22
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	36	0.22
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	36	0.22
(3,3217)	1:69:A:HIS:HE1	1:67:A:THR:HB	17	0.22
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	7	0.22
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	7	0.22
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	17	0.22
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	18	0.22
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	20	0.22
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	34	0.22
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	34	0.22
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	4	0.22
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	4	0.22
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	17	0.22
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	17	0.22
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	20	0.22
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	20	0.22
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	34	0.22
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	34	0.22
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	34	0.22
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	34	0.22
(3,3056)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	37	0.22
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	24	0.22
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	13	0.22
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	13	0.22
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	13	0.22
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	34	0.22
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	34	0.22
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	34	0.22
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	1	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	3	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	4	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	5	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	6	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	7	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	10	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	11	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	12	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	13	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	14	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	15	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	18	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	23	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	25	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	26	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	27	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	29	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	30	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	31	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	32	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	33	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	34	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	36	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	37	0.22
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	38	0.22
(3,2969)	1:44:A:LYS:HE2	1:44:A:LYS:HG2	2	0.22
(3,2969)	1:44:A:LYS:HE2	1:44:A:LYS:HG2	20	0.22
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	3	0.22
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	16	0.22
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	1	0.22
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	9	0.22
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	10	0.22
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	13	0.22
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	14	0.22
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	18	0.22
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	35	0.22
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	38	0.22
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	28	0.22
(3,2808)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	2	0.22
(3,2808)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	5	0.22
(3,2808)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2808)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	9	0.22
(3,2808)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	16	0.22
(3,2808)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	25	0.22
(3,2808)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	30	0.22
(3,2808)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	33	0.22
(3,2808)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	37	0.22
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	2	0.22
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	5	0.22
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	8	0.22
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	11	0.22
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	30	0.22
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	31	0.22
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	33	0.22
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	38	0.22
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	12	0.22
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	13	0.22
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	17	0.22
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	19	0.22
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	20	0.22
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	22	0.22
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	24	0.22
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	28	0.22
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	30	0.22
(3,2787)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	34	0.22
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	12	0.22
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	13	0.22
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	17	0.22
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	19	0.22
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	20	0.22
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	22	0.22
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	24	0.22
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	28	0.22
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	30	0.22
(3,2786)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	34	0.22
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	24	0.22
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	25	0.22
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	4	0.22
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	7	0.22
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	17	0.22
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	23	0.22
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	28	0.22
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	32	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	40	0.22
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	10	0.22
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	23	0.22
(3,2697)	1:23:A:GLU:HA	1:24:A:HIS:H	37	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	1	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	2	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	3	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	8	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	11	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	12	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	14	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	15	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	16	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	17	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	18	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	19	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	20	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	21	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	22	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	23	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	24	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	25	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	27	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	28	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	30	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	31	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	32	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	34	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	35	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	36	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	37	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	39	0.22
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	40	0.22
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	6	0.22
(3,2602)	1:36:A:ASP:HB2	1:37:A:ASP:H	1	0.22
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	3	0.22
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	9	0.22
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	12	0.22
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	14	0.22
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	15	0.22
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	21	0.22
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	27	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	35	0.22
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	31	0.22
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	4	0.22
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	11	0.22
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	14	0.22
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	15	0.22
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	21	0.22
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	35	0.22
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	22	0.22
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	32	0.22
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	35	0.22
(3,2470)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	18	0.22
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	38	0.22
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	38	0.22
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	38	0.22
(3,2326)	1:80:A:SER:HB3	1:81:A:VAL:H	28	0.22
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	5	0.22
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	9	0.22
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	22	0.22
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	24	0.22
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	27	0.22
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	31	0.22
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	40	0.22
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	1	0.22
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	7	0.22
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	8	0.22
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	15	0.22
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	23	0.22
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	37	0.22
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	40	0.22
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	4	0.22
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	4	0.22
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	6	0.22
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	6	0.22
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	15	0.22
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	15	0.22
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	16	0.22
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	16	0.22
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	31	0.22
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	31	0.22
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	39	0.22
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	39	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	1	0.22
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	29	0.22
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	17	0.22
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	35	0.22
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	16	0.22
(3,2154)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	33	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	1	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	1	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	1	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	2	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	2	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	2	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	3	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	3	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	3	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	4	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	4	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	4	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	6	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	6	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	6	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	7	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	7	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	7	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	10	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	10	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	10	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	11	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	11	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	11	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	12	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	12	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	12	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	13	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	13	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	13	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	14	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	14	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	14	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	15	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	15	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	17	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	17	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	17	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	19	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	19	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	19	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	21	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	21	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	21	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	22	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	22	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	22	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	23	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	23	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	23	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	24	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	24	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	24	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	25	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	25	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	25	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	26	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	26	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	26	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	29	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	29	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	29	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	30	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	30	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	30	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	33	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	33	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	33	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	34	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	34	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	34	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	35	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	35	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	35	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	36	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	36	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	36	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	37	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	37	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	37	0.22
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	39	0.22
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	39	0.22
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	39	0.22
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	18	0.22
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	18	0.22
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	18	0.22
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	37	0.22
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	37	0.22
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	37	0.22
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	18	0.22
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	18	0.22
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	18	0.22
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	31	0.22
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	31	0.22
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	31	0.22
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	31	0.22
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	31	0.22
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	31	0.22
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	15	0.22
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	15	0.22
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	15	0.22
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	19	0.22
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	19	0.22
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	19	0.22
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	38	0.22
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	38	0.22
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	38	0.22
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	11	0.22
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	11	0.22
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	11	0.22
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	12	0.22
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	12	0.22
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	12	0.22
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	35	0.22
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	35	0.22
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	35	0.22
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	38	0.22
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	38	0.22
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	38	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	5	0.22
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	9	0.22
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	9	0.22
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	9	0.22
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	13	0.22
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	13	0.22
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	13	0.22
(3,1956)	1:68:A:ILE:HD11	1:68:A:ILE:HA	15	0.22
(3,1956)	1:68:A:ILE:HD12	1:68:A:ILE:HA	15	0.22
(3,1956)	1:68:A:ILE:HD13	1:68:A:ILE:HA	15	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	2	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	3	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	8	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	11	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	12	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	13	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	14	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	19	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	21	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	24	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	28	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	29	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	33	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	35	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	38	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	39	0.22
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	40	0.22
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	2	0.22
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	4	0.22
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	15	0.22
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	23	0.22
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	34	0.22
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	35	0.22
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	40	0.22
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	4	0.22
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	4	0.22
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	4	0.22
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	21	0.22
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	21	0.22
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	21	0.22
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	28	0.22
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	28	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	28	0.22
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	29	0.22
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	29	0.22
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	29	0.22
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	11	0.22
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	16	0.22
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	17	0.22
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	22	0.22
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	31	0.22
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	37	0.22
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	11	0.22
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	16	0.22
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	17	0.22
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	22	0.22
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	31	0.22
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	37	0.22
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	2	0.22
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	4	0.22
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	18	0.22
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	24	0.22
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	24	0.22
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	24	0.22
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	24	0.22
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	24	0.22
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	24	0.22
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	24	0.22
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	24	0.22
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	24	0.22
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	1	0.22
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	1	0.22
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	1	0.22
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	4	0.22
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	4	0.22
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	4	0.22
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	5	0.22
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	5	0.22
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	5	0.22
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	8	0.22
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	8	0.22
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	8	0.22
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	15	0.22
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	15	0.22
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	28	0.22
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	28	0.22
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	28	0.22
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	28	0.22
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	28	0.22
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	28	0.22
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	28	0.22
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	28	0.22
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	28	0.22
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	25	0.22
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	25	0.22
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	25	0.22
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	6	0.22
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	6	0.22
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	6	0.22
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	12	0.22
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	12	0.22
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	12	0.22
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	38	0.22
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	38	0.22
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	38	0.22
(3,1540)	1:39:A:ILE:HD11	1:40:A:VAL:H	2	0.22
(3,1540)	1:39:A:ILE:HD12	1:40:A:VAL:H	2	0.22
(3,1540)	1:39:A:ILE:HD13	1:40:A:VAL:H	2	0.22
(3,1540)	1:39:A:ILE:HD11	1:40:A:VAL:H	24	0.22
(3,1540)	1:39:A:ILE:HD12	1:40:A:VAL:H	24	0.22
(3,1540)	1:39:A:ILE:HD13	1:40:A:VAL:H	24	0.22
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	1	0.22
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	1	0.22
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	1	0.22
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	1	0.22
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	1	0.22
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	1	0.22
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	5	0.22
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	5	0.22
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	5	0.22
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	5	0.22
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	5	0.22
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	5	0.22
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	26	0.22
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	36	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	8	0.22
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	8	0.22
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	8	0.22
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	7	0.22
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	7	0.22
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	7	0.22
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	9	0.22
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	9	0.22
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	9	0.22
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	19	0.22
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	19	0.22
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	19	0.22
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	22	0.22
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	22	0.22
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	22	0.22
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	28	0.22
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	28	0.22
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	28	0.22
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	7	0.22
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	7	0.22
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	7	0.22
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	8	0.22
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	8	0.22
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	8	0.22
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	21	0.22
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	21	0.22
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	21	0.22
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	25	0.22
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	25	0.22
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	25	0.22
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	28	0.22
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	28	0.22
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	28	0.22
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	30	0.22
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	30	0.22
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	30	0.22
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	32	0.22
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	32	0.22
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	32	0.22
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	11	0.22
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	11	0.22
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	16	0.22
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	16	0.22
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	16	0.22
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	18	0.22
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	18	0.22
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	18	0.22
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	20	0.22
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	20	0.22
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	20	0.22
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	23	0.22
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	23	0.22
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	23	0.22
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	27	0.22
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	27	0.22
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	27	0.22
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	29	0.22
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	29	0.22
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	29	0.22
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	33	0.22
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	33	0.22
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	33	0.22
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	35	0.22
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	35	0.22
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	35	0.22
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	40	0.22
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	40	0.22
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	40	0.22
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	16	0.22
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	16	0.22
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	16	0.22
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	29	0.22
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	29	0.22
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	29	0.22
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	5	0.22
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	5	0.22
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	5	0.22
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	8	0.22
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	8	0.22
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	8	0.22
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	18	0.22
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	18	0.22
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	26	0.22
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	26	0.22
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	26	0.22
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	31	0.22
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	31	0.22
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	31	0.22
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	37	0.22
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	37	0.22
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	37	0.22
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	23	0.22
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	23	0.22
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	23	0.22
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	26	0.22
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	26	0.22
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	26	0.22
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	35	0.22
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	35	0.22
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	35	0.22
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	40	0.22
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	40	0.22
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	40	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	2	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	3	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	4	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	5	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	6	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	7	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	8	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	10	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	11	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	12	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	14	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	15	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	17	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	18	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	19	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	23	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	24	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	25	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	27	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	28	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	29	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	31	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	32	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	33	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	34	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	36	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	37	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	39	0.22
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	40	0.22
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	11	0.22
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	11	0.22
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	11	0.22
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	16	0.22
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	16	0.22
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	16	0.22
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	11	0.22
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	11	0.22
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	11	0.22
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	16	0.22
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	16	0.22
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	16	0.22
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	16	0.22
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	16	0.22
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	16	0.22
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	40	0.22
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	40	0.22
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	40	0.22
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	2	0.22
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	2	0.22
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	2	0.22
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	9	0.22
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	9	0.22
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	9	0.22
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	10	0.22
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	10	0.22
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	10	0.22
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	14	0.22
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	14	0.22
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	14	0.22
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	15	0.22
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	15	0.22
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	15	0.22
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	35	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	35	0.22
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	35	0.22
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	37	0.22
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	37	0.22
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	37	0.22
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	10	0.22
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	14	0.22
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	16	0.22
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	19	0.22
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	23	0.22
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	24	0.22
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	40	0.22
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	1	0.22
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	25	0.22
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	35	0.22
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	36	0.22
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	39	0.22
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	13	0.22
(3,1188)	1:19:A:ILE:H	1:97:A:LEU:HA	34	0.22
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	2	0.22
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	4	0.22
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	10	0.22
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	13	0.22
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	16	0.22
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	24	0.22
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	29	0.22
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	35	0.22
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	40	0.22
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	1	0.22
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	2	0.22
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	3	0.22
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	4	0.22
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	8	0.22
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	10	0.22
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	16	0.22
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	20	0.22
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	26	0.22
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	4	0.22
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	4	0.22
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	8	0.22
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	8	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	2	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	8	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	13	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	14	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	15	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	17	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	18	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	19	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	22	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	26	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	27	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	28	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	29	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	32	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	33	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	36	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	38	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	39	0.22
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	40	0.22
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	8	0.22
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	21	0.22
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	39	0.22
(3,920)	1:37:A:ASP:H	1:36:A:ASP:HB2	1	0.22
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	3	0.22
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	9	0.22
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	12	0.22
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	14	0.22
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	15	0.22
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	21	0.22
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	27	0.22
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	20	0.22
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	7	0.22
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	8	0.22
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	5	0.22
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	40	0.22
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	33	0.22
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	33	0.22
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	33	0.22
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	36	0.22
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	36	0.22
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	36	0.22
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	11	0.22
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	11	0.22
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	22	0.22
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	22	0.22
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	22	0.22
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	23	0.22
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	23	0.22
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	23	0.22
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	28	0.22
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	28	0.22
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	28	0.22
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	12	0.22
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	14	0.22
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	19	0.22
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	21	0.22
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	29	0.22
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	33	0.22
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	40	0.22
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	10	0.22
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	15	0.22
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	28	0.22
(3,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	37	0.22
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	1	0.22
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	3	0.22
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	8	0.22
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	12	0.22
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	13	0.22
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	18	0.22
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	20	0.22
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	23	0.22
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	25	0.22
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	30	0.22
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	38	0.22
(3,590)	1:3:A:ASP:H	1:2:A:ILE:HA	2	0.22
(3,590)	1:3:A:ASP:H	1:2:A:ILE:HA	5	0.22
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	14	0.22
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	10	0.22
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	10	0.22
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	17	0.22
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	17	0.22
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	27	0.22
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	27	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	38	0.22
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	38	0.22
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	4	0.22
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	5	0.22
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	11	0.22
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	16	0.22
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	31	0.22
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	31	0.22
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	2	0.22
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	4	0.22
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	11	0.22
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	12	0.22
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	30	0.22
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	32	0.22
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	35	0.22
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	15	0.22
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	2	0.22
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	40	0.22
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	4	0.22
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	8	0.22
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	11	0.22
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	12	0.22
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	31	0.22
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	32	0.22
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	33	0.22
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	38	0.22
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	20	0.22
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	23	0.22
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	1	0.22
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	29	0.22
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	22	0.22
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	23	0.22
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	40	0.22
(3,248)	1:95:A:ALA:H	1:94:A:THR:HB	28	0.22
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	5	0.22
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	5	0.22
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	16	0.22
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	16	0.22
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	4	0.22
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	5	0.22
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	13	0.22
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	7	0.22
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	13	0.22
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	16	0.22
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	19	0.22
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	21	0.22
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	28	0.22
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	38	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	8	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	8	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	8	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	11	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	11	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	11	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	12	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	12	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	12	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	24	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	24	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	24	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	27	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	27	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	27	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	30	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	30	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	30	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	34	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	34	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	34	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	39	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	39	0.22
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	39	0.22
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	13	0.22
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	13	0.22
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	15	0.22
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	15	0.22
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	25	0.22
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	25	0.22
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	29	0.22
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	29	0.22
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	36	0.22
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	36	0.22
(1,3211)	1:69:A:HIS:HE1	1:67:A:THR:HB	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	7	0.22
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	7	0.22
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	17	0.22
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	18	0.22
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	20	0.22
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	34	0.22
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	34	0.22
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	4	0.22
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	4	0.22
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	17	0.22
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	17	0.22
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	20	0.22
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	20	0.22
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	34	0.22
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	34	0.22
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	34	0.22
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	34	0.22
(1,3048)	1:60:A:ASP:HB2	1:63:A:CYS:HB2	37	0.22
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	24	0.22
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	13	0.22
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	13	0.22
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	13	0.22
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	34	0.22
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	34	0.22
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	34	0.22
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	1	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	1	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	3	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	4	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	5	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	6	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	7	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	10	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	11	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	12	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	13	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	14	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	15	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	18	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	23	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	25	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	26	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	27	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	29	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	30	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	31	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	32	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	33	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	34	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	36	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	37	0.22
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	38	0.22
(1,2961)	1:44:A:LYS:HE2	1:44:A:LYS:HG2	2	0.22
(1,2961)	1:44:A:LYS:HE2	1:44:A:LYS:HG2	20	0.22
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	3	0.22
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	16	0.22
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	1	0.22
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	9	0.22
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	10	0.22
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	13	0.22
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	14	0.22
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	18	0.22
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	35	0.22
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	38	0.22
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	28	0.22
(1,2801)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	2	0.22
(1,2801)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	5	0.22
(1,2801)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	8	0.22
(1,2801)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	9	0.22
(1,2801)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	16	0.22
(1,2801)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	25	0.22
(1,2801)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	30	0.22
(1,2801)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	33	0.22
(1,2801)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	37	0.22
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	2	0.22
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	5	0.22
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	8	0.22
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	11	0.22
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	30	0.22
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	31	0.22
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	33	0.22
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	38	0.22
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	12	0.22
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	17	0.22
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	19	0.22
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	20	0.22
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	22	0.22
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	24	0.22
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	28	0.22
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	30	0.22
(1,2780)	1:100:A:GLU:HG2	1:100:A:GLU:HG3	34	0.22
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	12	0.22
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	13	0.22
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	17	0.22
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	19	0.22
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	20	0.22
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	22	0.22
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	24	0.22
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	28	0.22
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	30	0.22
(1,2779)	1:100:A:GLU:HG3	1:100:A:GLU:HG2	34	0.22
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	24	0.22
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	25	0.22
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	4	0.22
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	7	0.22
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	17	0.22
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	23	0.22
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	28	0.22
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	32	0.22
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	40	0.22
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	10	0.22
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	23	0.22
(1,2693)	1:23:A:GLU:HA	1:24:A:HIS:H	37	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	1	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	2	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	3	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	8	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	11	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	12	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	14	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	15	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	16	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	17	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	18	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	20	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	21	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	22	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	23	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	24	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	25	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	27	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	28	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	30	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	31	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	32	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	34	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	35	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	36	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	37	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	39	0.22
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	40	0.22
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	6	0.22
(1,2598)	1:36:A:ASP:HB2	1:37:A:ASP:H	1	0.22
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	3	0.22
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	9	0.22
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	12	0.22
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	14	0.22
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	15	0.22
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	21	0.22
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	27	0.22
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	35	0.22
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	31	0.22
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	4	0.22
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	11	0.22
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	14	0.22
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	15	0.22
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	21	0.22
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	35	0.22
(1,2467)	1:4:A:PRO:HB2	1:4:A:PRO:HD2	18	0.22
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	38	0.22
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	38	0.22
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	38	0.22
(1,2323)	1:80:A:SER:HB3	1:81:A:VAL:H	28	0.22
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	5	0.22
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	9	0.22
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	22	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	24	0.22
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	27	0.22
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	31	0.22
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	40	0.22
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	1	0.22
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	7	0.22
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	8	0.22
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	15	0.22
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	23	0.22
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	37	0.22
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	40	0.22
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	4	0.22
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	4	0.22
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	6	0.22
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	6	0.22
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	15	0.22
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	15	0.22
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	16	0.22
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	16	0.22
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	31	0.22
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	31	0.22
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	39	0.22
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	39	0.22
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	1	0.22
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	29	0.22
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	17	0.22
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	35	0.22
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	16	0.22
(1,2151)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	33	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	1	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	1	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	1	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	2	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	2	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	2	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	3	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	3	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	3	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	4	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	4	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	4	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	6	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	6	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	7	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	7	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	7	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	10	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	10	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	10	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	11	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	11	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	11	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	12	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	12	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	12	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	13	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	13	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	13	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	14	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	14	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	14	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	15	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	15	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	15	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	17	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	17	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	17	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	19	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	19	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	19	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	21	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	21	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	21	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	22	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	22	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	22	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	23	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	23	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	23	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	24	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	24	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	24	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	25	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	25	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	25	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	26	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	26	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	26	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	29	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	29	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	29	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	30	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	30	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	30	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	33	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	33	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	33	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	34	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	34	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	34	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	35	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	35	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	35	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	36	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	36	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	36	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	37	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	37	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	37	0.22
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	39	0.22
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	39	0.22
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	39	0.22
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	18	0.22
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	18	0.22
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	18	0.22
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	37	0.22
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	37	0.22
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	37	0.22
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	18	0.22
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	18	0.22
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	18	0.22
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	31	0.22
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	31	0.22
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	31	0.22
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	31	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	31	0.22
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	31	0.22
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	15	0.22
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	15	0.22
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	15	0.22
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	19	0.22
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	19	0.22
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	19	0.22
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	38	0.22
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	38	0.22
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	38	0.22
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	11	0.22
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	11	0.22
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	11	0.22
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	12	0.22
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	12	0.22
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	12	0.22
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	35	0.22
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	35	0.22
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	35	0.22
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	38	0.22
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	38	0.22
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	38	0.22
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	5	0.22
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	9	0.22
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	9	0.22
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	9	0.22
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	13	0.22
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	13	0.22
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	13	0.22
(1,1953)	1:68:A:ILE:HD11	1:68:A:ILE:HA	15	0.22
(1,1953)	1:68:A:ILE:HD12	1:68:A:ILE:HA	15	0.22
(1,1953)	1:68:A:ILE:HD13	1:68:A:ILE:HA	15	0.22
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	2	0.22
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	3	0.22
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	8	0.22
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	11	0.22
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	12	0.22
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	13	0.22
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	14	0.22
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	19	0.22
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	21	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	24	0.22
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	28	0.22
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	29	0.22
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	33	0.22
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	35	0.22
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	38	0.22
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	39	0.22
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	40	0.22
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	2	0.22
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	4	0.22
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	15	0.22
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	23	0.22
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	34	0.22
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	35	0.22
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	40	0.22
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	12	0.22
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	12	0.22
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	12	0.22
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	12	0.22
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	12	0.22
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	12	0.22
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	12	0.22
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	12	0.22
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	12	0.22
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	4	0.22
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	4	0.22
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	4	0.22
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	21	0.22
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	21	0.22
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	21	0.22
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	28	0.22
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	28	0.22
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	28	0.22
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	29	0.22
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	29	0.22
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	29	0.22
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	11	0.22
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	16	0.22
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	17	0.22
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	22	0.22
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	31	0.22
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	37	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	11	0.22
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	16	0.22
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	17	0.22
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	22	0.22
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	31	0.22
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	37	0.22
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	2	0.22
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	4	0.22
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	18	0.22
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	24	0.22
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	24	0.22
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	24	0.22
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	24	0.22
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	24	0.22
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	24	0.22
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	24	0.22
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	24	0.22
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	24	0.22
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	1	0.22
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	1	0.22
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	1	0.22
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	4	0.22
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	4	0.22
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	4	0.22
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	5	0.22
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	5	0.22
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	5	0.22
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	8	0.22
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	8	0.22
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	8	0.22
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	15	0.22
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	15	0.22
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	15	0.22
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	28	0.22
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	28	0.22
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	28	0.22
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	28	0.22
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	28	0.22
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	28	0.22
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	28	0.22
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	28	0.22
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	28	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	25	0.22
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	25	0.22
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	25	0.22
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	6	0.22
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	6	0.22
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	6	0.22
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	12	0.22
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	12	0.22
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	12	0.22
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	38	0.22
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	38	0.22
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	38	0.22
(1,1536)	1:39:A:ILE:HD11	1:40:A:VAL:H	2	0.22
(1,1536)	1:39:A:ILE:HD12	1:40:A:VAL:H	2	0.22
(1,1536)	1:39:A:ILE:HD13	1:40:A:VAL:H	2	0.22
(1,1536)	1:39:A:ILE:HD11	1:40:A:VAL:H	24	0.22
(1,1536)	1:39:A:ILE:HD12	1:40:A:VAL:H	24	0.22
(1,1536)	1:39:A:ILE:HD13	1:40:A:VAL:H	24	0.22
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	1	0.22
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	1	0.22
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	1	0.22
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	1	0.22
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	1	0.22
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	1	0.22
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	5	0.22
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	5	0.22
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	5	0.22
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	5	0.22
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	5	0.22
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	5	0.22
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	26	0.22
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	36	0.22
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	8	0.22
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	8	0.22
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	8	0.22
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	7	0.22
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	7	0.22
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	7	0.22
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	9	0.22
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	9	0.22
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	9	0.22
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	19	0.22
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	19	0.22
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	22	0.22
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	22	0.22
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	22	0.22
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	28	0.22
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	28	0.22
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	28	0.22
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	7	0.22
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	7	0.22
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	7	0.22
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	8	0.22
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	8	0.22
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	8	0.22
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	21	0.22
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	21	0.22
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	21	0.22
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	25	0.22
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	25	0.22
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	25	0.22
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	28	0.22
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	28	0.22
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	28	0.22
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	30	0.22
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	30	0.22
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	30	0.22
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	32	0.22
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	32	0.22
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	32	0.22
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	11	0.22
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	11	0.22
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	11	0.22
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	16	0.22
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	16	0.22
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	16	0.22
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	18	0.22
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	18	0.22
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	18	0.22
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	20	0.22
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	20	0.22
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	20	0.22
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	23	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	23	0.22
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	23	0.22
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	27	0.22
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	27	0.22
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	27	0.22
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	29	0.22
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	29	0.22
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	29	0.22
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	33	0.22
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	33	0.22
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	33	0.22
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	35	0.22
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	35	0.22
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	35	0.22
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	40	0.22
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	40	0.22
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	40	0.22
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	16	0.22
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	16	0.22
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	16	0.22
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	29	0.22
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	29	0.22
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	29	0.22
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	5	0.22
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	5	0.22
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	5	0.22
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	8	0.22
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	8	0.22
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	8	0.22
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	18	0.22
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	18	0.22
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	18	0.22
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	26	0.22
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	26	0.22
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	26	0.22
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	31	0.22
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	31	0.22
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	31	0.22
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	37	0.22
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	37	0.22
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	37	0.22
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	23	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	23	0.22
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	23	0.22
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	26	0.22
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	26	0.22
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	26	0.22
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	35	0.22
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	35	0.22
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	35	0.22
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	40	0.22
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	40	0.22
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	40	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	2	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	3	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	4	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	5	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	6	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	7	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	8	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	10	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	11	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	12	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	14	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	15	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	17	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	18	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	19	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	23	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	24	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	25	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	27	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	28	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	29	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	31	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	32	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	33	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	34	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	36	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	37	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	39	0.22
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	40	0.22
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	11	0.22
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	11	0.22
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	16	0.22
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	16	0.22
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	16	0.22
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	11	0.22
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	11	0.22
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	11	0.22
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	16	0.22
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	16	0.22
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	16	0.22
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	16	0.22
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	16	0.22
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	16	0.22
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	40	0.22
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	40	0.22
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	40	0.22
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	2	0.22
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	2	0.22
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	2	0.22
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	9	0.22
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	9	0.22
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	9	0.22
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	10	0.22
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	10	0.22
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	10	0.22
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	14	0.22
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	14	0.22
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	14	0.22
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	15	0.22
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	15	0.22
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	15	0.22
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	35	0.22
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	35	0.22
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	35	0.22
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	37	0.22
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	37	0.22
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	37	0.22
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	10	0.22
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	14	0.22
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	16	0.22
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	19	0.22
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	23	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	24	0.22
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	40	0.22
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	1	0.22
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	25	0.22
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	35	0.22
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	36	0.22
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	39	0.22
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	13	0.22
(1,1184)	1:19:A:ILE:H	1:97:A:LEU:HA	34	0.22
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	2	0.22
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	4	0.22
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	10	0.22
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	13	0.22
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	16	0.22
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	24	0.22
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	29	0.22
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	35	0.22
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	40	0.22
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	1	0.22
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	2	0.22
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	3	0.22
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	4	0.22
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	8	0.22
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	10	0.22
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	16	0.22
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	20	0.22
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	26	0.22
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	4	0.22
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	4	0.22
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	8	0.22
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	8	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	1	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	2	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	8	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	13	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	14	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	15	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	17	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	18	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	19	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	22	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	26	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	27	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	28	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	29	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	32	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	33	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	36	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	38	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	39	0.22
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	40	0.22
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	8	0.22
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	21	0.22
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	39	0.22
(1,919)	1:37:A:ASP:H	1:36:A:ASP:HB2	1	0.22
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	3	0.22
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	9	0.22
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	12	0.22
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	14	0.22
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	15	0.22
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	21	0.22
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	27	0.22
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	20	0.22
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	7	0.22
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	8	0.22
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	5	0.22
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	40	0.22
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	33	0.22
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	33	0.22
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	33	0.22
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	36	0.22
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	36	0.22
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	36	0.22
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	11	0.22
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	11	0.22
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	11	0.22
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	22	0.22
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	22	0.22
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	22	0.22
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	23	0.22
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	23	0.22
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	23	0.22
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	28	0.22
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	28	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	28	0.22
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	12	0.22
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	14	0.22
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	19	0.22
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	21	0.22
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	29	0.22
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	33	0.22
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	40	0.22
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	10	0.22
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	15	0.22
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	28	0.22
(1,685)	1:23:A:GLU:H	1:23:A:GLU:HG3	37	0.22
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	1	0.22
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	3	0.22
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	8	0.22
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	12	0.22
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	13	0.22
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	18	0.22
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	20	0.22
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	23	0.22
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	25	0.22
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	30	0.22
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	38	0.22
(1,590)	1:3:A:ASP:H	1:2:A:ILE:HA	2	0.22
(1,590)	1:3:A:ASP:H	1:2:A:ILE:HA	5	0.22
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	10	0.22
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	10	0.22
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	17	0.22
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	17	0.22
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	27	0.22
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	27	0.22
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	38	0.22
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	38	0.22
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	4	0.22
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	5	0.22
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	11	0.22
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	16	0.22
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	31	0.22
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	31	0.22
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	2	0.22
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	4	0.22
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	12	0.22
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	30	0.22
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	32	0.22
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	35	0.22
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	15	0.22
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	2	0.22
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	40	0.22
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	4	0.22
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	8	0.22
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	11	0.22
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	12	0.22
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	31	0.22
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	32	0.22
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	33	0.22
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	38	0.22
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	20	0.22
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	23	0.22
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	1	0.22
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	29	0.22
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	22	0.22
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	23	0.22
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	40	0.22
(1,248)	1:95:A:ALA:H	1:94:A:THR:HB	28	0.22
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	5	0.22
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	5	0.22
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	16	0.22
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	16	0.22
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	4	0.22
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	4	0.22
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	5	0.22
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	13	0.22
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	17	0.22
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	7	0.22
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	13	0.22
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	16	0.22
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	19	0.22
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	21	0.22
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	28	0.22
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	38	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	8	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	8	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	11	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	11	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	11	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	12	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	12	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	12	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	24	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	24	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	24	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	27	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	27	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	27	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	30	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	30	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	30	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	34	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	34	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	34	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	39	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	39	0.22
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	39	0.22
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	11	0.21
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	11	0.21
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	19	0.21
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	19	0.21
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	22	0.21
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	22	0.21
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	40	0.21
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	40	0.21
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	10	0.21
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	11	0.21
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	34	0.21
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	30	0.21
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	30	0.21
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	27	0.21
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	27	0.21
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	10	0.21
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	10	0.21
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	35	0.21
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	35	0.21
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	37	0.21
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	37	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	13	0.21
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	37	0.21
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	11	0.21
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	15	0.21
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	15	0.21
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	15	0.21
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	22	0.21
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	22	0.21
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	22	0.21
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	4	0.21
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	8	0.21
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	9	0.21
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	16	0.21
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	17	0.21
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	19	0.21
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	21	0.21
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	22	0.21
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	24	0.21
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	28	0.21
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	39	0.21
(3,2976)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	40	0.21
(3,2969)	1:44:A:LYS:HE2	1:44:A:LYS:HG2	35	0.21
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	17	0.21
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	37	0.21
(3,2886)	1:102:A:ARG:HD3	1:102:A:ARG:HG2	3	0.21
(3,2886)	1:102:A:ARG:HD3	1:102:A:ARG:HG2	5	0.21
(3,2886)	1:102:A:ARG:HD3	1:102:A:ARG:HG2	8	0.21
(3,2886)	1:102:A:ARG:HD3	1:102:A:ARG:HG2	11	0.21
(3,2886)	1:102:A:ARG:HD3	1:102:A:ARG:HG2	23	0.21
(3,2886)	1:102:A:ARG:HD3	1:102:A:ARG:HG2	29	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	2	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	3	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	4	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	5	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	6	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	7	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	8	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	11	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	12	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	15	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	16	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	19	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	20	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	21	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	22	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	23	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	24	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	25	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	26	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	27	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	28	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	29	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	30	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	31	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	32	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	33	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	34	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	36	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	37	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	39	0.21
(3,2864)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	40	0.21
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	18	0.21
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	20	0.21
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	39	0.21
(3,2808)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	3	0.21
(3,2808)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	11	0.21
(3,2808)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	38	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	1	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	3	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	4	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	6	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	7	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	9	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	10	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	12	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	13	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	14	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	15	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	16	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	17	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	18	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	19	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	21	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	22	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	23	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	24	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	25	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	26	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	27	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	28	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	29	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	32	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	34	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	35	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	36	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	37	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	39	0.21
(3,2803)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	40	0.21
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	21	0.21
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	28	0.21
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	32	0.21
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	40	0.21
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	1	0.21
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	4	0.21
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	5	0.21
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	8	0.21
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	9	0.21
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	12	0.21
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	15	0.21
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	16	0.21
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	17	0.21
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	19	0.21
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	21	0.21
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	22	0.21
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	24	0.21
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	27	0.21
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	37	0.21
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	1	0.21
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	16	0.21
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	19	0.21
(3,2722)	1:48:A:GLU:HG2	1:48:A:GLU:HA	33	0.21
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	7	0.21
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	4	0.21
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	7	0.21
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	13	0.21
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	26	0.21
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	29	0.21
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	33	0.21
(3,2672)	1:25:A:GLN:HG3	1:25:A:GLN:HA	38	0.21
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	5	0.21
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	26	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	1	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	4	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	5	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	7	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	9	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	10	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	11	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	12	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	14	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	15	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	16	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	17	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	19	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	20	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	21	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	22	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	23	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	24	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	25	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	29	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	30	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	32	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	34	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	35	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	36	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	37	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	38	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	39	0.21
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	40	0.21
(3,2602)	1:36:A:ASP:HB2	1:37:A:ASP:H	18	0.21
(3,2602)	1:36:A:ASP:HB2	1:37:A:ASP:H	29	0.21
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	16	0.21
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	17	0.21
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	23	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	25	0.21
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	26	0.21
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	34	0.21
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	38	0.21
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	2	0.21
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	3	0.21
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	6	0.21
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	9	0.21
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	17	0.21
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	10	0.21
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	22	0.21
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	24	0.21
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	25	0.21
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	26	0.21
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	27	0.21
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	30	0.21
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	32	0.21
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	37	0.21
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	38	0.21
(3,2485)	1:9:A:PRO:HD3	1:9:A:PRO:HB3	23	0.21
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	5	0.21
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	14	0.21
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	5	0.21
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	5	0.21
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	5	0.21
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	14	0.21
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	14	0.21
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	14	0.21
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	30	0.21
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	30	0.21
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	30	0.21
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	2	0.21
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	8	0.21
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	12	0.21
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	19	0.21
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	33	0.21
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	35	0.21
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	20	0.21
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	21	0.21
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	29	0.21
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	31	0.21
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	33	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	35	0.21
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	39	0.21
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	5	0.21
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	5	0.21
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	13	0.21
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	13	0.21
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	17	0.21
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	17	0.21
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	21	0.21
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	21	0.21
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	33	0.21
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	33	0.21
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	35	0.21
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	35	0.21
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	2	0.21
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	14	0.21
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	17	0.21
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	18	0.21
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	21	0.21
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	30	0.21
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	33	0.21
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	34	0.21
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	3	0.21
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	14	0.21
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	15	0.21
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	26	0.21
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	29	0.21
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	34	0.21
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	40	0.21
(3,2132)	1:47:A:THR:HG21	1:47:A:THR:HB	5	0.21
(3,2132)	1:47:A:THR:HG22	1:47:A:THR:HB	5	0.21
(3,2132)	1:47:A:THR:HG23	1:47:A:THR:HB	5	0.21
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	1	0.21
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	1	0.21
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	1	0.21
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	8	0.21
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	8	0.21
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	8	0.21
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	8	0.21
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	8	0.21
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	8	0.21
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	9	0.21
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	9	0.21
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	9	0.21
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	9	0.21
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	9	0.21
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	13	0.21
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	13	0.21
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	13	0.21
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	13	0.21
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	13	0.21
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	13	0.21
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	3	0.21
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	3	0.21
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	3	0.21
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	6	0.21
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	6	0.21
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	6	0.21
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	10	0.21
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	10	0.21
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	10	0.21
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	27	0.21
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	27	0.21
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	27	0.21
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	33	0.21
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	33	0.21
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	33	0.21
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	6	0.21
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	6	0.21
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	6	0.21
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	9	0.21
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	9	0.21
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	9	0.21
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	10	0.21
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	10	0.21
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	10	0.21
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	15	0.21
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	15	0.21
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	15	0.21
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	16	0.21
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	16	0.21
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	16	0.21
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	17	0.21
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	17	0.21
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	20	0.21
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	20	0.21
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	20	0.21
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	21	0.21
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	21	0.21
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	21	0.21
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	24	0.21
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	24	0.21
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	24	0.21
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	29	0.21
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	29	0.21
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	29	0.21
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	33	0.21
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	33	0.21
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	33	0.21
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	39	0.21
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	39	0.21
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	39	0.21
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	19	0.21
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	4	0.21
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	10	0.21
(3,1938)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	15	0.21
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	5	0.21
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	9	0.21
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	10	0.21
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	11	0.21
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	18	0.21
(3,1919)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	22	0.21
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	2	0.21
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	2	0.21
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	2	0.21
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	6	0.21
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	6	0.21
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	6	0.21
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	7	0.21
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	7	0.21
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	7	0.21
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	40	0.21
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	40	0.21
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	40	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	1	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	5	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	6	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	7	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	10	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	21	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	23	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	24	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	25	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	26	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	30	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	32	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	33	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	34	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	35	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	36	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	39	0.21
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	40	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	1	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	5	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	6	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	7	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	10	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	21	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	23	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	24	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	25	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	26	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	30	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	32	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	33	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	34	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	35	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	36	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	39	0.21
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	40	0.21
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	25	0.21
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	27	0.21
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	1	0.21
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	4	0.21
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	8	0.21
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	18	0.21
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	19	0.21
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	29	0.21
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	36	0.21
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	36	0.21
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	36	0.21
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	36	0.21
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	36	0.21
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	36	0.21
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	36	0.21
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	36	0.21
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	36	0.21
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	14	0.21
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	14	0.21
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	14	0.21
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	4	0.21
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	4	0.21
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	4	0.21
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	4	0.21
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	4	0.21
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	4	0.21
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	4	0.21
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	4	0.21
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	4	0.21
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	21	0.21
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	21	0.21
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	21	0.21
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	32	0.21
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	32	0.21
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	32	0.21
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	34	0.21
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	34	0.21
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	34	0.21
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	39	0.21
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	39	0.21
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	39	0.21
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	3	0.21
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	3	0.21
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	3	0.21
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	4	0.21
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	4	0.21
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	7	0.21
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	7	0.21
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	7	0.21
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	25	0.21
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	25	0.21
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	25	0.21
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	33	0.21
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	33	0.21
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	33	0.21
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	37	0.21
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	37	0.21
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	37	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	1	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	1	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	1	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	3	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	3	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	3	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	4	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	4	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	4	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	5	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	5	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	5	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	6	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	6	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	6	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	7	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	7	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	7	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	8	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	8	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	8	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	9	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	9	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	9	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	10	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	10	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	10	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	12	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	12	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	13	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	13	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	13	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	14	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	14	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	14	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	15	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	15	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	15	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	16	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	16	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	16	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	17	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	17	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	17	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	18	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	18	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	18	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	19	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	19	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	19	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	20	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	20	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	20	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	21	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	21	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	21	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	22	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	22	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	22	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	23	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	23	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	23	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	25	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	25	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	25	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	26	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	26	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	26	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	27	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	27	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	27	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	28	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	28	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	28	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	29	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	29	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	29	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	30	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	30	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	30	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	31	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	31	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	31	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	32	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	32	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	32	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	33	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	33	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	33	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	34	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	34	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	34	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	35	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	35	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	35	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	37	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	37	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	37	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	39	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	39	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	39	0.21
(3,1584)	1:39:A:ILE:HD11	1:39:A:ILE:HB	40	0.21
(3,1584)	1:39:A:ILE:HD12	1:39:A:ILE:HB	40	0.21
(3,1584)	1:39:A:ILE:HD13	1:39:A:ILE:HB	40	0.21
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	4	0.21
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	4	0.21
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	4	0.21
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	6	0.21
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	6	0.21
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	6	0.21
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	29	0.21
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	29	0.21
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	29	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	37	0.21
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	37	0.21
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	37	0.21
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	9	0.21
(3,1486)	1:81:A:VAL:HB	1:82:A:ILE:H	20	0.21
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	6	0.21
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	6	0.21
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	6	0.21
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	11	0.21
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	11	0.21
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	11	0.21
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	15	0.21
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	15	0.21
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	15	0.21
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	16	0.21
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	16	0.21
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	16	0.21
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	17	0.21
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	17	0.21
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	17	0.21
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	20	0.21
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	20	0.21
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	20	0.21
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	26	0.21
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	26	0.21
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	26	0.21
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	40	0.21
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	40	0.21
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	40	0.21
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	17	0.21
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	17	0.21
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	17	0.21
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	21	0.21
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	21	0.21
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	21	0.21
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	24	0.21
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	24	0.21
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	24	0.21
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	34	0.21
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	34	0.21
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	34	0.21
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	9	0.21
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	9	0.21
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	14	0.21
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	14	0.21
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	14	0.21
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	15	0.21
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	15	0.21
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	15	0.21
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	22	0.21
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	22	0.21
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	22	0.21
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	3	0.21
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	3	0.21
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	3	0.21
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	19	0.21
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	19	0.21
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	19	0.21
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	36	0.21
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	36	0.21
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	36	0.21
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	40	0.21
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	40	0.21
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	40	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	2	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	2	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	2	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	4	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	4	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	4	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	5	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	5	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	5	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	7	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	7	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	7	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	8	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	8	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	8	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	10	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	10	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	10	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	13	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	13	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	14	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	14	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	14	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	15	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	15	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	15	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	17	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	17	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	17	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	21	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	21	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	21	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	22	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	22	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	22	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	24	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	24	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	24	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	25	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	25	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	25	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	26	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	26	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	26	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	28	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	28	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	28	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	30	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	30	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	30	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	31	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	31	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	31	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	32	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	32	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	32	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	34	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	34	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	34	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	36	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	36	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	36	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	37	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	37	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	37	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	38	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	38	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	38	0.21
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	39	0.21
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	39	0.21
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	39	0.21
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	4	0.21
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	4	0.21
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	4	0.21
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	6	0.21
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	6	0.21
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	6	0.21
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	9	0.21
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	9	0.21
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	9	0.21
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	12	0.21
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	12	0.21
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	12	0.21
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	17	0.21
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	17	0.21
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	17	0.21
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	19	0.21
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	19	0.21
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	19	0.21
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	20	0.21
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	20	0.21
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	20	0.21
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	38	0.21
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	38	0.21
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	38	0.21
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	40	0.21
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	40	0.21
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	40	0.21
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	18	0.21
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	1	0.21
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	1	0.21
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	3	0.21
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	3	0.21
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	3	0.21
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	11	0.21
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	11	0.21
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	11	0.21
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	14	0.21
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	14	0.21
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	14	0.21
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	15	0.21
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	15	0.21
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	15	0.21
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	17	0.21
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	17	0.21
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	17	0.21
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	19	0.21
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	19	0.21
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	19	0.21
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	22	0.21
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	22	0.21
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	22	0.21
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	23	0.21
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	23	0.21
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	23	0.21
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	25	0.21
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	25	0.21
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	25	0.21
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	33	0.21
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	33	0.21
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	33	0.21
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	34	0.21
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	34	0.21
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	34	0.21
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	35	0.21
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	35	0.21
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	35	0.21
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	36	0.21
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	36	0.21
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	36	0.21
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	3	0.21
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	3	0.21
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	7	0.21
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	7	0.21
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	7	0.21
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	17	0.21
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	17	0.21
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	17	0.21
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	18	0.21
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	18	0.21
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	18	0.21
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	19	0.21
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	19	0.21
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	19	0.21
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	25	0.21
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	25	0.21
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	25	0.21
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	30	0.21
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	30	0.21
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	30	0.21
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	38	0.21
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	38	0.21
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	38	0.21
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	1	0.21
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	9	0.21
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	13	0.21
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	16	0.21
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	20	0.21
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	21	0.21
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	22	0.21
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	26	0.21
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	30	0.21
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	35	0.21
(3,1335)	1:19:A:ILE:HG12	1:19:A:ILE:HB	38	0.21
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	3	0.21
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	3	0.21
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	3	0.21
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	7	0.21
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	7	0.21
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	7	0.21
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	10	0.21
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	10	0.21
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	10	0.21
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	11	0.21
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	11	0.21
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	14	0.21
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	14	0.21
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	14	0.21
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	19	0.21
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	19	0.21
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	19	0.21
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	20	0.21
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	20	0.21
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	20	0.21
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	26	0.21
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	26	0.21
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	26	0.21
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	27	0.21
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	27	0.21
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	27	0.21
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	40	0.21
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	40	0.21
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	40	0.21
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	24	0.21
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	24	0.21
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	24	0.21
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	24	0.21
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	24	0.21
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	24	0.21
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	8	0.21
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	8	0.21
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	8	0.21
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	9	0.21
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	9	0.21
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	9	0.21
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	27	0.21
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	27	0.21
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	27	0.21
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	8	0.21
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	8	0.21
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	8	0.21
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	9	0.21
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	9	0.21
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	9	0.21
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	27	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	27	0.21
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	27	0.21
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	4	0.21
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	4	0.21
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	4	0.21
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	27	0.21
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	27	0.21
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	27	0.21
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	28	0.21
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	28	0.21
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	28	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	2	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	5	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	8	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	13	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	15	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	17	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	18	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	21	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	25	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	27	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	28	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	30	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	31	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	32	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	33	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	34	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	35	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	36	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	37	0.21
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	38	0.21
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	16	0.21
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	18	0.21
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	19	0.21
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	22	0.21
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	23	0.21
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	37	0.21
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	38	0.21
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	5	0.21
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	3	0.21
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	6	0.21
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	14	0.21
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	15	0.21
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	18	0.21
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	21	0.21
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	33	0.21
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	38	0.21
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	9	0.21
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	13	0.21
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	19	0.21
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	30	0.21
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	32	0.21
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	34	0.21
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	38	0.21
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	39	0.21
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	19	0.21
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	21	0.21
(3,1003)	1:5:A:PHE:H	1:4:A:PRO:HA	20	0.21
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	4	0.21
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	11	0.21
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	12	0.21
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	21	0.21
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	24	0.21
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	25	0.21
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	30	0.21
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	31	0.21
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	37	0.21
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	9	0.21
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	15	0.21
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	34	0.21
(3,920)	1:37:A:ASP:H	1:36:A:ASP:HB2	18	0.21
(3,920)	1:37:A:ASP:H	1:36:A:ASP:HB2	29	0.21
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	16	0.21
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	17	0.21
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	23	0.21
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	25	0.21
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	26	0.21
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	32	0.21
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	35	0.21
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	37	0.21
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	4	0.21
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	6	0.21
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	18	0.21
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	20	0.21
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	30	0.21
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	20	0.21
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	7	0.21
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	7	0.21
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	7	0.21
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	12	0.21
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	12	0.21
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	12	0.21
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	3	0.21
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	3	0.21
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	3	0.21
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	9	0.21
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	9	0.21
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	9	0.21
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	14	0.21
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	14	0.21
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	14	0.21
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	24	0.21
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	24	0.21
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	24	0.21
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	32	0.21
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	32	0.21
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	32	0.21
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	17	0.21
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	4	0.21
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	13	0.21
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	15	0.21
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	16	0.21
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	18	0.21
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	20	0.21
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	25	0.21
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	28	0.21
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	30	0.21
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	31	0.21
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	34	0.21
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	37	0.21
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	38	0.21
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	39	0.21
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	8	0.21
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	11	0.21
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	19	0.21
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	27	0.21
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	28	0.21
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	39	0.21
(3,590)	1:3:A:ASP:H	1:2:A:ILE:HA	10	0.21
(3,590)	1:3:A:ASP:H	1:2:A:ILE:HA	12	0.21
(3,590)	1:3:A:ASP:H	1:2:A:ILE:HA	14	0.21
(3,590)	1:3:A:ASP:H	1:2:A:ILE:HA	17	0.21
(3,590)	1:3:A:ASP:H	1:2:A:ILE:HA	19	0.21
(3,590)	1:3:A:ASP:H	1:2:A:ILE:HA	28	0.21
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	18	0.21
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	6	0.21
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	6	0.21
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	16	0.21
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	16	0.21
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	28	0.21
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	28	0.21
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	29	0.21
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	29	0.21
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	37	0.21
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	37	0.21
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	6	0.21
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	8	0.21
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	10	0.21
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	19	0.21
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	26	0.21
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	28	0.21
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	29	0.21
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	37	0.21
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	38	0.21
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	4	0.21
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	13	0.21
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	16	0.21
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	35	0.21
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	37	0.21
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	31	0.21
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	34	0.21
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	9	0.21
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	34	0.21
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	21	0.21
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	24	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	33	0.21
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	2	0.21
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	3	0.21
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	19	0.21
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	20	0.21
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	36	0.21
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	37	0.21
(3,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	28	0.21
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	21	0.21
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	31	0.21
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	39	0.21
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	5	0.21
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	26	0.21
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	2	0.21
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	14	0.21
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	17	0.21
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	18	0.21
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	21	0.21
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	30	0.21
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	33	0.21
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	34	0.21
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	4	0.21
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	11	0.21
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	19	0.21
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	25	0.21
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	26	0.21
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	39	0.21
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	8	0.21
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	8	0.21
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	8	0.21
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	9	0.21
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	9	0.21
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	9	0.21
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	27	0.21
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	27	0.21
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	27	0.21
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	23	0.21
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	23	0.21
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	19	0.21
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	21	0.21
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	10	0.21
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	35	0.21
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	40	0.21
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	8	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	1	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	1	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	1	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	2	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	2	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	2	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	5	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	5	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	5	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	9	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	9	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	9	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	15	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	15	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	15	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	17	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	17	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	17	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	26	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	26	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	26	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	28	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	28	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	28	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	29	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	29	0.21
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	29	0.21
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	11	0.21
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	11	0.21
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	19	0.21
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	19	0.21
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	22	0.21
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	22	0.21
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	40	0.21
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	40	0.21
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	10	0.21
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	11	0.21
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	34	0.21
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	30	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	30	0.21
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	27	0.21
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	27	0.21
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	10	0.21
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	10	0.21
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	35	0.21
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	35	0.21
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	37	0.21
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	37	0.21
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	13	0.21
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	37	0.21
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	11	0.21
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	15	0.21
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	15	0.21
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	15	0.21
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	22	0.21
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	22	0.21
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	22	0.21
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	4	0.21
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	8	0.21
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	9	0.21
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	16	0.21
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	17	0.21
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	19	0.21
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	21	0.21
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	22	0.21
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	24	0.21
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	28	0.21
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	39	0.21
(1,2968)	1:44:A:LYS:HE3	1:44:A:LYS:HD3	40	0.21
(1,2961)	1:44:A:LYS:HE2	1:44:A:LYS:HG2	35	0.21
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	17	0.21
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	37	0.21
(1,2879)	1:102:A:ARG:HD3	1:102:A:ARG:HG2	3	0.21
(1,2879)	1:102:A:ARG:HD3	1:102:A:ARG:HG2	5	0.21
(1,2879)	1:102:A:ARG:HD3	1:102:A:ARG:HG2	8	0.21
(1,2879)	1:102:A:ARG:HD3	1:102:A:ARG:HG2	11	0.21
(1,2879)	1:102:A:ARG:HD3	1:102:A:ARG:HG2	23	0.21
(1,2879)	1:102:A:ARG:HD3	1:102:A:ARG:HG2	29	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	2	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	3	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	5	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	6	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	7	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	8	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	11	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	12	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	15	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	16	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	17	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	19	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	20	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	21	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	22	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	23	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	24	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	25	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	26	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	27	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	28	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	29	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	30	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	31	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	32	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	33	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	34	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	36	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	37	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	39	0.21
(1,2857)	1:92:A:ARG:HB3	1:92:A:ARG:HG3	40	0.21
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	18	0.21
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	20	0.21
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	39	0.21
(1,2801)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	3	0.21
(1,2801)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	11	0.21
(1,2801)	1:15:A:ARG:HD3	1:15:A:ARG:HG2	38	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	1	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	3	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	4	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	6	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	7	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	9	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	12	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	13	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	14	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	15	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	16	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	17	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	18	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	19	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	20	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	21	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	22	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	23	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	24	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	25	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	26	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	27	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	28	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	29	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	32	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	34	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	35	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	36	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	37	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	39	0.21
(1,2796)	1:15:A:ARG:HG3	1:15:A:ARG:HB3	40	0.21
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	21	0.21
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	28	0.21
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	32	0.21
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	40	0.21
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	1	0.21
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	4	0.21
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	5	0.21
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	8	0.21
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	9	0.21
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	12	0.21
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	15	0.21
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	16	0.21
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	17	0.21
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	19	0.21
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	21	0.21
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	22	0.21
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	24	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	27	0.21
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	37	0.21
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	1	0.21
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	16	0.21
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	19	0.21
(1,2718)	1:48:A:GLU:HG2	1:48:A:GLU:HA	33	0.21
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	7	0.21
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	4	0.21
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	6	0.21
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	7	0.21
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	13	0.21
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	26	0.21
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	29	0.21
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	33	0.21
(1,2668)	1:25:A:GLN:HG3	1:25:A:GLN:HA	38	0.21
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	5	0.21
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	26	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	1	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	4	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	5	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	7	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	9	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	10	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	11	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	12	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	14	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	15	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	16	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	17	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	19	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	20	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	21	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	22	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	23	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	24	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	25	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	29	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	30	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	32	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	34	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	35	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	36	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	37	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	38	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	39	0.21
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	40	0.21
(1,2598)	1:36:A:ASP:HB2	1:37:A:ASP:H	18	0.21
(1,2598)	1:36:A:ASP:HB2	1:37:A:ASP:H	29	0.21
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	16	0.21
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	17	0.21
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	23	0.21
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	25	0.21
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	26	0.21
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	34	0.21
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	38	0.21
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	2	0.21
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	3	0.21
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	6	0.21
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	9	0.21
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	17	0.21
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	10	0.21
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	22	0.21
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	24	0.21
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	25	0.21
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	26	0.21
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	27	0.21
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	30	0.21
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	32	0.21
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	37	0.21
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	38	0.21
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	5	0.21
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	14	0.21
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	5	0.21
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	5	0.21
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	5	0.21
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	14	0.21
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	14	0.21
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	14	0.21
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	30	0.21
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	30	0.21
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	30	0.21
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	2	0.21
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	8	0.21
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	19	0.21
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	33	0.21
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	35	0.21
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	20	0.21
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	21	0.21
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	29	0.21
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	31	0.21
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	33	0.21
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	35	0.21
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	39	0.21
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	5	0.21
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	5	0.21
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	13	0.21
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	13	0.21
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	17	0.21
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	17	0.21
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	21	0.21
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	21	0.21
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	33	0.21
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	33	0.21
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	35	0.21
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	35	0.21
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	2	0.21
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	14	0.21
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	17	0.21
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	18	0.21
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	21	0.21
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	30	0.21
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	33	0.21
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	34	0.21
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	3	0.21
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	14	0.21
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	15	0.21
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	26	0.21
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	29	0.21
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	34	0.21
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	40	0.21
(1,2129)	1:47:A:THR:HG21	1:47:A:THR:HB	5	0.21
(1,2129)	1:47:A:THR:HG22	1:47:A:THR:HB	5	0.21
(1,2129)	1:47:A:THR:HG23	1:47:A:THR:HB	5	0.21
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	1	0.21
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	1	0.21
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	8	0.21
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	8	0.21
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	8	0.21
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	8	0.21
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	8	0.21
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	8	0.21
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	9	0.21
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	9	0.21
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	9	0.21
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	9	0.21
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	9	0.21
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	9	0.21
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	13	0.21
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	13	0.21
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	13	0.21
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	13	0.21
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	13	0.21
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	13	0.21
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	3	0.21
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	3	0.21
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	3	0.21
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	6	0.21
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	6	0.21
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	6	0.21
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	10	0.21
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	10	0.21
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	10	0.21
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	27	0.21
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	27	0.21
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	27	0.21
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	33	0.21
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	33	0.21
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	33	0.21
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	6	0.21
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	6	0.21
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	6	0.21
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	9	0.21
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	9	0.21
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	9	0.21
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	10	0.21
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	10	0.21
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	15	0.21
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	15	0.21
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	15	0.21
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	16	0.21
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	16	0.21
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	16	0.21
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	17	0.21
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	17	0.21
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	17	0.21
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	20	0.21
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	20	0.21
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	20	0.21
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	21	0.21
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	21	0.21
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	21	0.21
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	24	0.21
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	24	0.21
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	24	0.21
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	29	0.21
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	29	0.21
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	29	0.21
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	33	0.21
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	33	0.21
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	33	0.21
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	39	0.21
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	39	0.21
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	39	0.21
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	19	0.21
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	4	0.21
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	10	0.21
(1,1935)	1:14:A:LYS:HE2	1:14:A:LYS:HD2	15	0.21
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	5	0.21
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	9	0.21
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	10	0.21
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	11	0.21
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	18	0.21
(1,1916)	1:14:A:LYS:HG3	1:14:A:LYS:HD2	22	0.21
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	6	0.21
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	6	0.21
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	6	0.21
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	6	0.21
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	6	0.21
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	6	0.21
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	6	0.21
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	6	0.21
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	7	0.21
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	7	0.21
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	7	0.21
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	7	0.21
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	7	0.21
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	7	0.21
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	7	0.21
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	7	0.21
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	7	0.21
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	23	0.21
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	23	0.21
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	23	0.21
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	23	0.21
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	23	0.21
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	23	0.21
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	23	0.21
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	23	0.21
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	23	0.21
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	2	0.21
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	2	0.21
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	2	0.21
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	6	0.21
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	6	0.21
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	6	0.21
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	7	0.21
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	7	0.21
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	7	0.21
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	40	0.21
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	40	0.21
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	40	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	1	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	5	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	6	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	7	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	10	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	21	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	23	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	24	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	25	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	26	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	30	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	32	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	33	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	34	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	35	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	36	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	39	0.21
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	40	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	1	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	5	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	6	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	7	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	10	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	21	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	23	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	24	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	25	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	26	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	30	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	32	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	33	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	34	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	35	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	36	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	39	0.21
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	40	0.21
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	25	0.21
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	27	0.21
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	1	0.21
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	4	0.21
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	8	0.21
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	12	0.21
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	18	0.21
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	19	0.21
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	29	0.21
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	36	0.21
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	36	0.21
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	36	0.21
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	36	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	36	0.21
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	36	0.21
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	36	0.21
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	36	0.21
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	36	0.21
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	14	0.21
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	14	0.21
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	14	0.21
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	4	0.21
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	4	0.21
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	4	0.21
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	4	0.21
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	4	0.21
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	4	0.21
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	4	0.21
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	4	0.21
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	4	0.21
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	21	0.21
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	21	0.21
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	21	0.21
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	32	0.21
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	32	0.21
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	32	0.21
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	34	0.21
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	34	0.21
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	34	0.21
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	39	0.21
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	39	0.21
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	39	0.21
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	3	0.21
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	3	0.21
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	3	0.21
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	4	0.21
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	4	0.21
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	4	0.21
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	7	0.21
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	7	0.21
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	7	0.21
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	25	0.21
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	25	0.21
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	25	0.21
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	33	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	33	0.21
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	33	0.21
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	37	0.21
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	37	0.21
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	37	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	1	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	1	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	1	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	3	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	3	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	3	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	4	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	4	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	4	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	5	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	5	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	5	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	6	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	6	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	6	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	7	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	7	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	7	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	8	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	8	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	8	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	9	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	9	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	9	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	10	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	10	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	10	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	12	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	12	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	12	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	13	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	13	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	13	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	14	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	14	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	14	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	15	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	15	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	16	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	16	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	16	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	17	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	17	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	17	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	18	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	18	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	18	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	19	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	19	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	19	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	20	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	20	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	20	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	21	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	21	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	21	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	22	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	22	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	22	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	23	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	23	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	23	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	25	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	25	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	25	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	26	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	26	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	26	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	27	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	27	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	27	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	28	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	28	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	28	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	29	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	29	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	29	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	30	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	30	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	30	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	31	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	31	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	31	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	32	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	32	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	32	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	33	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	33	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	33	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	34	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	34	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	34	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	35	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	35	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	35	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	37	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	37	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	37	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	39	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	39	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	39	0.21
(1,1580)	1:39:A:ILE:HD11	1:39:A:ILE:HB	40	0.21
(1,1580)	1:39:A:ILE:HD12	1:39:A:ILE:HB	40	0.21
(1,1580)	1:39:A:ILE:HD13	1:39:A:ILE:HB	40	0.21
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	4	0.21
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	4	0.21
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	4	0.21
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	6	0.21
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	6	0.21
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	6	0.21
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	29	0.21
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	29	0.21
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	29	0.21
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	37	0.21
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	37	0.21
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	37	0.21
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	9	0.21
(1,1482)	1:81:A:VAL:HB	1:82:A:ILE:H	20	0.21
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	6	0.21
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	6	0.21
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	11	0.21
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	11	0.21
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	11	0.21
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	15	0.21
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	15	0.21
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	15	0.21
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	16	0.21
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	16	0.21
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	16	0.21
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	17	0.21
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	17	0.21
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	17	0.21
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	20	0.21
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	20	0.21
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	20	0.21
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	26	0.21
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	26	0.21
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	26	0.21
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	40	0.21
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	40	0.21
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	40	0.21
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	17	0.21
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	17	0.21
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	17	0.21
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	21	0.21
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	21	0.21
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	21	0.21
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	24	0.21
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	24	0.21
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	24	0.21
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	34	0.21
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	34	0.21
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	34	0.21
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	9	0.21
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	9	0.21
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	9	0.21
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	14	0.21
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	14	0.21
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	14	0.21
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	15	0.21
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	15	0.21
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	22	0.21
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	22	0.21
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	22	0.21
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	3	0.21
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	3	0.21
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	3	0.21
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	19	0.21
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	19	0.21
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	19	0.21
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	36	0.21
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	36	0.21
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	36	0.21
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	40	0.21
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	40	0.21
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	40	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	2	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	2	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	2	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	4	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	4	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	4	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	5	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	5	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	5	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	7	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	7	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	7	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	8	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	8	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	8	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	10	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	10	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	10	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	13	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	13	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	13	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	14	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	14	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	14	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	15	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	15	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	17	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	17	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	17	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	21	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	21	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	21	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	22	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	22	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	22	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	24	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	24	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	24	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	25	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	25	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	25	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	26	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	26	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	26	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	28	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	28	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	28	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	30	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	30	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	30	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	31	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	31	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	31	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	32	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	32	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	32	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	34	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	34	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	34	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	36	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	36	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	36	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	37	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	37	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	37	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	38	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	38	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	38	0.21
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	39	0.21
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	39	0.21
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	39	0.21
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	4	0.21
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	4	0.21
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	4	0.21
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	6	0.21
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	6	0.21
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	6	0.21
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	9	0.21
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	9	0.21
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	9	0.21
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	12	0.21
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	12	0.21
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	12	0.21
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	17	0.21
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	17	0.21
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	17	0.21
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	19	0.21
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	19	0.21
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	19	0.21
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	20	0.21
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	20	0.21
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	20	0.21
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	38	0.21
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	38	0.21
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	38	0.21
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	40	0.21
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	40	0.21
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	40	0.21
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	18	0.21
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	1	0.21
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	1	0.21
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	1	0.21
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	3	0.21
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	3	0.21
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	3	0.21
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	11	0.21
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	11	0.21
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	11	0.21
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	14	0.21
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	14	0.21
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	15	0.21
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	15	0.21
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	15	0.21
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	17	0.21
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	17	0.21
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	17	0.21
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	19	0.21
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	19	0.21
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	19	0.21
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	22	0.21
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	22	0.21
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	22	0.21
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	23	0.21
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	23	0.21
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	23	0.21
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	25	0.21
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	25	0.21
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	25	0.21
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	33	0.21
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	33	0.21
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	33	0.21
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	34	0.21
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	34	0.21
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	34	0.21
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	35	0.21
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	35	0.21
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	35	0.21
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	36	0.21
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	36	0.21
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	36	0.21
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	3	0.21
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	3	0.21
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	3	0.21
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	7	0.21
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	7	0.21
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	7	0.21
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	17	0.21
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	17	0.21
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	17	0.21
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	18	0.21
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	18	0.21
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	19	0.21
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	19	0.21
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	19	0.21
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	25	0.21
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	25	0.21
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	25	0.21
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	30	0.21
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	30	0.21
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	30	0.21
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	38	0.21
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	38	0.21
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	38	0.21
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	1	0.21
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	9	0.21
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	13	0.21
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	16	0.21
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	20	0.21
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	21	0.21
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	22	0.21
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	26	0.21
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	30	0.21
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	35	0.21
(1,1331)	1:19:A:ILE:HG12	1:19:A:ILE:HB	38	0.21
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	3	0.21
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	3	0.21
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	3	0.21
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	7	0.21
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	7	0.21
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	7	0.21
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	10	0.21
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	10	0.21
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	10	0.21
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	11	0.21
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	11	0.21
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	11	0.21
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	14	0.21
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	14	0.21
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	14	0.21
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	19	0.21
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	19	0.21
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	20	0.21
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	20	0.21
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	20	0.21
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	26	0.21
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	26	0.21
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	26	0.21
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	27	0.21
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	27	0.21
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	27	0.21
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	40	0.21
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	40	0.21
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	40	0.21
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	24	0.21
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	24	0.21
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	24	0.21
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	24	0.21
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	24	0.21
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	24	0.21
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	8	0.21
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	8	0.21
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	8	0.21
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	9	0.21
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	9	0.21
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	9	0.21
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	27	0.21
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	27	0.21
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	27	0.21
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	8	0.21
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	8	0.21
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	8	0.21
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	9	0.21
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	9	0.21
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	9	0.21
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	27	0.21
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	27	0.21
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	27	0.21
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	4	0.21
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	4	0.21
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	4	0.21
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	27	0.21
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	27	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	27	0.21
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	28	0.21
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	28	0.21
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	28	0.21
(1,1237)	1:13:A:THR:HG21	1:34:A:SER:HB2	9	0.21
(1,1237)	1:13:A:THR:HG22	1:34:A:SER:HB2	9	0.21
(1,1237)	1:13:A:THR:HG23	1:34:A:SER:HB2	9	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	2	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	5	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	8	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	13	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	15	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	17	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	18	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	21	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	25	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	27	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	28	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	30	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	31	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	32	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	33	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	34	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	35	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	36	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	37	0.21
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	38	0.21
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	16	0.21
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	18	0.21
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	19	0.21
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	22	0.21
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	23	0.21
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	37	0.21
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	38	0.21
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	5	0.21
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	3	0.21
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	6	0.21
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	12	0.21
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	14	0.21
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	15	0.21
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	18	0.21
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	21	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	33	0.21
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	38	0.21
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	9	0.21
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	13	0.21
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	19	0.21
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	30	0.21
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	32	0.21
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	34	0.21
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	38	0.21
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	39	0.21
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	19	0.21
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	21	0.21
(1,1002)	1:5:A:PHE:H	1:4:A:PRO:HA	20	0.21
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	4	0.21
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	11	0.21
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	12	0.21
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	21	0.21
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	24	0.21
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	25	0.21
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	30	0.21
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	31	0.21
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	37	0.21
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	9	0.21
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	15	0.21
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	34	0.21
(1,919)	1:37:A:ASP:H	1:36:A:ASP:HB2	18	0.21
(1,919)	1:37:A:ASP:H	1:36:A:ASP:HB2	29	0.21
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	16	0.21
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	17	0.21
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	23	0.21
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	25	0.21
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	26	0.21
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	32	0.21
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	35	0.21
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	37	0.21
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	4	0.21
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	6	0.21
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	14	0.21
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	18	0.21
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	20	0.21
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	30	0.21
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	7	0.21
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	7	0.21
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	7	0.21
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	12	0.21
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	12	0.21
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	12	0.21
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	3	0.21
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	3	0.21
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	3	0.21
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	9	0.21
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	9	0.21
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	9	0.21
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	14	0.21
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	14	0.21
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	14	0.21
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	24	0.21
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	24	0.21
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	24	0.21
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	32	0.21
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	32	0.21
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	32	0.21
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	17	0.21
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	4	0.21
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	13	0.21
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	15	0.21
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	16	0.21
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	18	0.21
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	20	0.21
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	25	0.21
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	28	0.21
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	30	0.21
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	31	0.21
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	34	0.21
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	37	0.21
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	38	0.21
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	39	0.21
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	8	0.21
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	10	0.21
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	11	0.21
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	19	0.21
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	27	0.21
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	28	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	39	0.21
(1,590)	1:3:A:ASP:H	1:2:A:ILE:HA	10	0.21
(1,590)	1:3:A:ASP:H	1:2:A:ILE:HA	12	0.21
(1,590)	1:3:A:ASP:H	1:2:A:ILE:HA	14	0.21
(1,590)	1:3:A:ASP:H	1:2:A:ILE:HA	17	0.21
(1,590)	1:3:A:ASP:H	1:2:A:ILE:HA	19	0.21
(1,590)	1:3:A:ASP:H	1:2:A:ILE:HA	28	0.21
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	6	0.21
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	6	0.21
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	16	0.21
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	16	0.21
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	28	0.21
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	28	0.21
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	29	0.21
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	29	0.21
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	37	0.21
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	37	0.21
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	6	0.21
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	8	0.21
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	10	0.21
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	19	0.21
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	26	0.21
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	28	0.21
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	29	0.21
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	37	0.21
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	38	0.21
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	4	0.21
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	13	0.21
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	16	0.21
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	35	0.21
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	37	0.21
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	31	0.21
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	34	0.21
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	9	0.21
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	34	0.21
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	21	0.21
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	24	0.21
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	33	0.21
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	2	0.21
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	3	0.21
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	19	0.21
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	36	0.21
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	37	0.21
(1,416)	1:96:A:GLU:H	1:96:A:GLU:HB3	28	0.21
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	21	0.21
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	31	0.21
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	39	0.21
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	5	0.21
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	26	0.21
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	2	0.21
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	14	0.21
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	17	0.21
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	18	0.21
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	21	0.21
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	30	0.21
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	33	0.21
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	34	0.21
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	4	0.21
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	11	0.21
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	19	0.21
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	25	0.21
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	26	0.21
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	39	0.21
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	8	0.21
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	8	0.21
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	8	0.21
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	9	0.21
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	9	0.21
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	9	0.21
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	27	0.21
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	27	0.21
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	27	0.21
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	10	0.21
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	10	0.21
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	10	0.21
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	23	0.21
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	23	0.21
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	11	0.21
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	19	0.21
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	21	0.21
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	10	0.21
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	12	0.21
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	35	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	40	0.21
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	8	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	1	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	1	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	1	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	2	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	2	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	2	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	5	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	5	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	5	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	9	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	9	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	9	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	15	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	15	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	15	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	17	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	17	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	17	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	26	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	26	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	26	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	28	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	28	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	28	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	29	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	29	0.21
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	29	0.21
(1,22)	1:89:A:GLY:H	1:85:A:LEU:H	5	0.21
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	32	0.2
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	32	0.2
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	35	0.2
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	35	0.2
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	3	0.2
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	3	0.2
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	3	0.2
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	3	0.2
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	3	0.2
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	3	0.2
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	29	0.2
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	29	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	29	0.2
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	29	0.2
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	29	0.2
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	29	0.2
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	7	0.2
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	7	0.2
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	7	0.2
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	7	0.2
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	4	0.2
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	7	0.2
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	8	0.2
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	26	0.2
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	31	0.2
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	34	0.2
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	34	0.2
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	35	0.2
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	35	0.2
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	23	0.2
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	23	0.2
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	33	0.2
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	33	0.2
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	34	0.2
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	34	0.2
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	36	0.2
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	36	0.2
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	20	0.2
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	23	0.2
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	25	0.2
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	34	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	2	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	2	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	2	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	3	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	3	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	3	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	11	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	11	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	11	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	24	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	24	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	24	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	33	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	33	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	33	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	35	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	35	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	35	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	36	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	36	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	36	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	37	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	37	0.2
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	37	0.2
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	17	0.2
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	26	0.2
(3,2977)	1:53:A:GLN:HG3	1:53:A:GLN:HB2	35	0.2
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	34	0.2
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	34	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	1	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	2	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	3	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	4	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	5	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	6	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	7	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	8	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	9	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	10	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	11	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	13	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	14	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	15	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	16	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	17	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	18	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	20	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	22	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	23	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	24	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	25	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	26	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	27	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	28	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	29	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	30	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	31	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	33	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	34	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	35	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	36	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	37	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	38	0.2
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	40	0.2
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	14	0.2
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	15	0.2
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	23	0.2
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	29	0.2
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	32	0.2
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	36	0.2
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	40	0.2
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	14	0.2
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	7	0.2
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	27	0.2
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	30	0.2
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	28	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	2	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	3	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	6	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	7	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	10	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	11	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	13	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	14	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	18	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	20	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	23	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	25	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	26	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	28	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	29	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	30	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	31	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	32	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	33	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	34	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	35	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	36	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	38	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	39	0.2
(3,2738)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	40	0.2
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	16	0.2
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	2	0.2
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	3	0.2
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	8	0.2
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	13	0.2
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	18	0.2
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	26	0.2
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	27	0.2
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	28	0.2
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	31	0.2
(3,2630)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	33	0.2
(3,2617)	1:74:A:ASP:HB2	1:74:A:ASP:HA	17	0.2
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	8	0.2
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	11	0.2
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	13	0.2
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	1	0.2
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	19	0.2
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	20	0.2
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	9	0.2
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	12	0.2
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	19	0.2
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	23	0.2
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	29	0.2
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	31	0.2
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	33	0.2
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	34	0.2
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	36	0.2
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	39	0.2
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	40	0.2
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	23	0.2
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	28	0.2
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	29	0.2
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	17	0.2
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	17	0.2
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	17	0.2
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	5	0.2
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	6	0.2
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	9	0.2
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	34	0.2
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	3	0.2
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	7	0.2
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	11	0.2
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	13	0.2
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	26	0.2
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	2	0.2
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	9	0.2
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	10	0.2
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	11	0.2
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	13	0.2
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	17	0.2
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	22	0.2
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	24	0.2
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	25	0.2
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	30	0.2
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	32	0.2
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	34	0.2
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	36	0.2
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	38	0.2
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	12	0.2
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	7	0.2
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	7	0.2
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	12	0.2
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	12	0.2
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	20	0.2
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	20	0.2
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	22	0.2
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	22	0.2
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	24	0.2
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	24	0.2
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	30	0.2
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	30	0.2
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	4	0.2
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	11	0.2
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	13	0.2
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	24	0.2
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	25	0.2
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	32	0.2
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	35	0.2
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	36	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	38	0.2
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	39	0.2
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	40	0.2
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	5	0.2
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	7	0.2
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	9	0.2
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	10	0.2
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	25	0.2
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	28	0.2
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	32	0.2
(3,2146)	1:94:A:THR:HB	1:78:A:VAL:HG11	28	0.2
(3,2146)	1:94:A:THR:HB	1:78:A:VAL:HG12	28	0.2
(3,2146)	1:94:A:THR:HB	1:78:A:VAL:HG13	28	0.2
(3,2102)	1:40:A:VAL:HG21	1:83:A:ALA:HA	36	0.2
(3,2102)	1:40:A:VAL:HG22	1:83:A:ALA:HA	36	0.2
(3,2102)	1:40:A:VAL:HG23	1:83:A:ALA:HA	36	0.2
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	31	0.2
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	31	0.2
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	31	0.2
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	5	0.2
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	5	0.2
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	5	0.2
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	5	0.2
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	5	0.2
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	5	0.2
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	5	0.2
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	5	0.2
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	5	0.2
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	14	0.2
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	14	0.2
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	14	0.2
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	14	0.2
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	14	0.2
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	14	0.2
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	14	0.2
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	14	0.2
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	14	0.2
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	35	0.2
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	35	0.2
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	35	0.2
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	35	0.2
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	35	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	35	0.2
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	8	0.2
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	8	0.2
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	8	0.2
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	12	0.2
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	12	0.2
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	12	0.2
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	2	0.2
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	2	0.2
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	2	0.2
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	3	0.2
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	3	0.2
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	3	0.2
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	4	0.2
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	4	0.2
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	4	0.2
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	8	0.2
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	8	0.2
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	8	0.2
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	14	0.2
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	14	0.2
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	14	0.2
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	28	0.2
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	28	0.2
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	28	0.2
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	17	0.2
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	10	0.2
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	10	0.2
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	10	0.2
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	8	0.2
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	8	0.2
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	8	0.2
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	33	0.2
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	33	0.2
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	33	0.2
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	3	0.2
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	4	0.2
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	8	0.2
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	9	0.2
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	12	0.2
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	14	0.2
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	20	0.2
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	28	0.2
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	3	0.2
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	4	0.2
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	8	0.2
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	9	0.2
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	12	0.2
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	14	0.2
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	19	0.2
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	20	0.2
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	28	0.2
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	39	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	2	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	3	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	5	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	6	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	7	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	9	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	10	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	11	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	12	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	13	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	14	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	15	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	16	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	17	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	18	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	19	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	20	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	21	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	22	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	23	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	24	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	25	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	26	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	27	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	28	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	29	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	30	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	31	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	32	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	33	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	34	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	35	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	36	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	37	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	38	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	39	0.2
(3,1743)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	40	0.2
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	2	0.2
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	5	0.2
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	9	0.2
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	11	0.2
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	15	0.2
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	16	0.2
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	34	0.2
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	37	0.2
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	39	0.2
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	11	0.2
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	11	0.2
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	11	0.2
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	11	0.2
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	11	0.2
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	11	0.2
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	11	0.2
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	11	0.2
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	11	0.2
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	1	0.2
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	1	0.2
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	1	0.2
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	2	0.2
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	2	0.2
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	2	0.2
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	4	0.2
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	4	0.2
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	4	0.2
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	6	0.2
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	6	0.2
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	6	0.2
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	7	0.2
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	7	0.2
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	7	0.2
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	17	0.2
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	17	0.2
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	18	0.2
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	18	0.2
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	18	0.2
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	20	0.2
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	20	0.2
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	20	0.2
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	22	0.2
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	22	0.2
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	22	0.2
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	37	0.2
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	37	0.2
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	37	0.2
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	39	0.2
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	39	0.2
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	39	0.2
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	40	0.2
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	40	0.2
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	40	0.2
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	18	0.2
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	18	0.2
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	18	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	2	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	2	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	2	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	2	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	2	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	2	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	2	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	2	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	2	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	3	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	3	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	3	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	3	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	3	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	3	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	3	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	3	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	3	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	7	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	7	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	7	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	7	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	7	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	7	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	7	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	7	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	24	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	24	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	24	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	24	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	24	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	24	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	24	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	24	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	24	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	26	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	26	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	26	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	26	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	26	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	26	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	26	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	26	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	26	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	27	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	27	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	27	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	27	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	27	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	27	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	27	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	27	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	27	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	37	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	37	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	37	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	37	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	37	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	37	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	37	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	37	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	37	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	38	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	38	0.2
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	38	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	38	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	38	0.2
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	38	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	38	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	38	0.2
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	38	0.2
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	9	0.2
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	9	0.2
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	9	0.2
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	17	0.2
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	17	0.2
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	17	0.2
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	20	0.2
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	20	0.2
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	20	0.2
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	21	0.2
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	21	0.2
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	21	0.2
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	30	0.2
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	30	0.2
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	30	0.2
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	32	0.2
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	32	0.2
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	32	0.2
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	32	0.2
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	32	0.2
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	32	0.2
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	1	0.2
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	1	0.2
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	1	0.2
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	12	0.2
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	12	0.2
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	12	0.2
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	14	0.2
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	14	0.2
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	14	0.2
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	15	0.2
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	15	0.2
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	19	0.2
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	19	0.2
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	19	0.2
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	27	0.2
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	27	0.2
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	27	0.2
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	28	0.2
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	28	0.2
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	28	0.2
(3,1539)	1:2:A:ILE:HD11	1:2:A:ILE:HA	1	0.2
(3,1539)	1:2:A:ILE:HD12	1:2:A:ILE:HA	1	0.2
(3,1539)	1:2:A:ILE:HD13	1:2:A:ILE:HA	1	0.2
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	22	0.2
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	22	0.2
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	22	0.2
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	22	0.2
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	22	0.2
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	22	0.2
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	29	0.2
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	29	0.2
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	29	0.2
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	29	0.2
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	29	0.2
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	29	0.2
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	31	0.2
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	31	0.2
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	31	0.2
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	31	0.2
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	31	0.2
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	31	0.2
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	37	0.2
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	37	0.2
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	37	0.2
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	1	0.2
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	1	0.2
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	1	0.2
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	3	0.2
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	3	0.2
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	3	0.2
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	13	0.2
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	13	0.2
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	24	0.2
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	24	0.2
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	24	0.2
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	33	0.2
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	33	0.2
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	33	0.2
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	4	0.2
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	4	0.2
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	4	0.2
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	7	0.2
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	7	0.2
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	7	0.2
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	10	0.2
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	10	0.2
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	10	0.2
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	18	0.2
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	18	0.2
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	18	0.2
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	24	0.2
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	24	0.2
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	24	0.2
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	33	0.2
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	33	0.2
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	33	0.2
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	1	0.2
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	1	0.2
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	1	0.2
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	3	0.2
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	3	0.2
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	3	0.2
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	6	0.2
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	6	0.2
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	6	0.2
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	10	0.2
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	10	0.2
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	10	0.2
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	12	0.2
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	12	0.2
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	12	0.2
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	13	0.2
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	13	0.2
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	16	0.2
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	16	0.2
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	16	0.2
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	23	0.2
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	23	0.2
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	23	0.2
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	25	0.2
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	25	0.2
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	25	0.2
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	30	0.2
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	30	0.2
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	30	0.2
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	32	0.2
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	32	0.2
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	32	0.2
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	33	0.2
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	33	0.2
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	33	0.2
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	39	0.2
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	39	0.2
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	39	0.2
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	40	0.2
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	40	0.2
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	40	0.2
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	1	0.2
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	1	0.2
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	1	0.2
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	12	0.2
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	12	0.2
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	12	0.2
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	19	0.2
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	19	0.2
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	19	0.2
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	21	0.2
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	21	0.2
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	21	0.2
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	25	0.2
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	25	0.2
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	25	0.2
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	26	0.2
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	26	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	26	0.2
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	30	0.2
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	30	0.2
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	30	0.2
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	36	0.2
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	36	0.2
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	36	0.2
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	38	0.2
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	38	0.2
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	38	0.2
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	6	0.2
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	6	0.2
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	6	0.2
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	22	0.2
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	22	0.2
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	22	0.2
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	23	0.2
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	23	0.2
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	23	0.2
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	37	0.2
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	37	0.2
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	37	0.2
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	1	0.2
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	1	0.2
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	1	0.2
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	3	0.2
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	3	0.2
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	3	0.2
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	6	0.2
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	6	0.2
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	6	0.2
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	12	0.2
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	12	0.2
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	12	0.2
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	19	0.2
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	19	0.2
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	19	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	5	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	5	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	5	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	8	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	8	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	10	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	10	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	10	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	13	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	13	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	13	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	14	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	14	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	14	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	18	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	18	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	18	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	23	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	23	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	23	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	25	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	25	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	25	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	26	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	26	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	26	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	27	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	27	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	27	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	30	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	30	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	30	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	31	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	31	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	31	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	32	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	32	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	32	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	33	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	33	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	33	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	34	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	34	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	34	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	35	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	35	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	35	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	36	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	36	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	36	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	37	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	37	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	37	0.2
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	39	0.2
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	39	0.2
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	39	0.2
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	6	0.2
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	6	0.2
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	6	0.2
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	7	0.2
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	7	0.2
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	7	0.2
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	14	0.2
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	12	0.2
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	12	0.2
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	12	0.2
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	13	0.2
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	13	0.2
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	13	0.2
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	21	0.2
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	21	0.2
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	21	0.2
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	24	0.2
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	24	0.2
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	24	0.2
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	27	0.2
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	27	0.2
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	27	0.2
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	29	0.2
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	29	0.2
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	29	0.2
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	30	0.2
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	30	0.2
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	30	0.2
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	32	0.2
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	32	0.2
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	32	0.2
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	38	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	38	0.2
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	38	0.2
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	39	0.2
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	39	0.2
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	39	0.2
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	40	0.2
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	40	0.2
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	40	0.2
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	1	0.2
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	1	0.2
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	1	0.2
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	5	0.2
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	5	0.2
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	5	0.2
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	6	0.2
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	6	0.2
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	6	0.2
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	21	0.2
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	21	0.2
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	21	0.2
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	24	0.2
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	24	0.2
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	24	0.2
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	34	0.2
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	34	0.2
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	34	0.2
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	39	0.2
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	39	0.2
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	39	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	1	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	1	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	1	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	2	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	2	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	2	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	4	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	4	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	4	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	5	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	5	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	5	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	8	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	8	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	9	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	9	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	9	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	12	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	12	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	12	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	13	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	13	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	13	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	15	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	15	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	15	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	17	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	17	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	17	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	18	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	18	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	18	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	21	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	21	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	21	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	22	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	22	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	22	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	23	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	23	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	23	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	24	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	24	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	24	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	25	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	25	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	25	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	28	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	28	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	28	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	29	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	29	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	29	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	30	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	30	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	30	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	31	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	31	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	31	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	32	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	32	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	32	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	33	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	33	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	33	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	34	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	34	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	34	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	35	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	35	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	35	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	36	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	36	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	36	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	37	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	37	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	37	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	38	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	38	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	38	0.2
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	39	0.2
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	39	0.2
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	39	0.2
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	36	0.2
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	36	0.2
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	36	0.2
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	36	0.2
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	36	0.2
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	36	0.2
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	3	0.2
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	3	0.2
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	3	0.2
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	12	0.2
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	12	0.2
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	12	0.2
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	25	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	25	0.2
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	25	0.2
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	32	0.2
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	32	0.2
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	32	0.2
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	33	0.2
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	33	0.2
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	33	0.2
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	34	0.2
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	34	0.2
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	34	0.2
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	35	0.2
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	35	0.2
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	35	0.2
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	38	0.2
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	38	0.2
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	38	0.2
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	3	0.2
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	3	0.2
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	3	0.2
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	12	0.2
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	12	0.2
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	12	0.2
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	25	0.2
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	25	0.2
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	25	0.2
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	32	0.2
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	32	0.2
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	32	0.2
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	33	0.2
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	33	0.2
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	33	0.2
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	34	0.2
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	34	0.2
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	34	0.2
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	35	0.2
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	35	0.2
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	35	0.2
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	38	0.2
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	38	0.2
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	38	0.2
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	19	0.2
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	19	0.2
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	26	0.2
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	26	0.2
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	26	0.2
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	40	0.2
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	40	0.2
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	40	0.2
(3,1230)	1:101:A:LEU:H	1:22:A:SER:HA	34	0.2
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	4	0.2
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	11	0.2
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	22	0.2
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	29	0.2
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	8	0.2
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	8	0.2
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	8	0.2
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	7	0.2
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	26	0.2
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	29	0.2
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	31	0.2
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	32	0.2
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	8	0.2
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	19	0.2
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	20	0.2
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	25	0.2
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	26	0.2
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	28	0.2
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	30	0.2
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	39	0.2
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	5	0.2
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	14	0.2
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	15	0.2
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	22	0.2
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	23	0.2
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	24	0.2
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	25	0.2
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	31	0.2
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	35	0.2
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	40	0.2
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	3	0.2
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	3	0.2
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	10	0.2
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	13	0.2
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	13	0.2
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	15	0.2
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	15	0.2
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	21	0.2
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	21	0.2
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	38	0.2
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	38	0.2
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	1	0.2
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	8	0.2
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	9	0.2
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	31	0.2
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	32	0.2
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	34	0.2
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	35	0.2
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	38	0.2
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	10	0.2
(3,970)	1:21:A:VAL:H	1:20:A:VAL:HB	20	0.2
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	5	0.2
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	35	0.2
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	6	0.2
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	17	0.2
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	18	0.2
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	35	0.2
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	38	0.2
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	8	0.2
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	11	0.2
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	13	0.2
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	21	0.2
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	36	0.2
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	22	0.2
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	25	0.2
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	29	0.2
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	36	0.2
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	1	0.2
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	2	0.2
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	13	0.2
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	19	0.2
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	10	0.2
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	10	0.2
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	20	0.2
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	20	0.2
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	20	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	2	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	2	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	2	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	7	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	7	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	7	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	8	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	8	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	8	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	15	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	15	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	15	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	21	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	21	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	21	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	25	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	25	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	25	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	30	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	30	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	30	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	40	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	40	0.2
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	40	0.2
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	9	0.2
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	21	0.2
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	22	0.2
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	34	0.2
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	35	0.2
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	36	0.2
(3,786)	1:6:A:THR:H	1:6:A:THR:HG21	36	0.2
(3,786)	1:6:A:THR:H	1:6:A:THR:HG22	36	0.2
(3,786)	1:6:A:THR:H	1:6:A:THR:HG23	36	0.2
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	8	0.2
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	9	0.2
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	22	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	1	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	5	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	7	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	9	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	11	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	17	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	18	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	21	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	22	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	25	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	27	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	28	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	31	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	32	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	33	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	34	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	35	0.2
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	37	0.2
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	2	0.2
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	11	0.2
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	16	0.2
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	22	0.2
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	30	0.2
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	33	0.2
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	37	0.2
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	5	0.2
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	16	0.2
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	38	0.2
(3,669)	1:72:A:THR:H	1:72:A:THR:HG21	17	0.2
(3,669)	1:72:A:THR:H	1:72:A:THR:HG22	17	0.2
(3,669)	1:72:A:THR:H	1:72:A:THR:HG23	17	0.2
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	14	0.2
(3,590)	1:3:A:ASP:H	1:2:A:ILE:HA	30	0.2
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	4	0.2
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	3	0.2
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	3	0.2
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	26	0.2
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	26	0.2
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	1	0.2
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	7	0.2
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	12	0.2
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	13	0.2
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	15	0.2
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	24	0.2
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	27	0.2
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	32	0.2
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	33	0.2
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	35	0.2
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	36	0.2
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	1	0.2
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	20	0.2
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	24	0.2
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	33	0.2
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	38	0.2
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	1	0.2
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	8	0.2
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	13	0.2
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	24	0.2
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	38	0.2
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	13	0.2
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	14	0.2
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	28	0.2
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	36	0.2
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	19	0.2
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	20	0.2
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	39	0.2
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	16	0.2
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	29	0.2
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	17	0.2
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	38	0.2
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	9	0.2
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	35	0.2
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	11	0.2
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	14	0.2
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	18	0.2
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	4	0.2
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	11	0.2
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	13	0.2
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	24	0.2
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	25	0.2
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	32	0.2
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	35	0.2
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	36	0.2
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	38	0.2
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	39	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	40	0.2
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	1	0.2
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	7	0.2
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	8	0.2
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	10	0.2
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	12	0.2
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	31	0.2
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	33	0.2
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	28	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	3	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	3	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	3	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	12	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	12	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	12	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	25	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	25	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	25	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	32	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	32	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	32	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	33	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	33	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	33	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	34	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	34	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	34	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	35	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	35	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	35	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	38	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	38	0.2
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	38	0.2
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	11	0.2
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	1	0.2
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	8	0.2
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	9	0.2
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	31	0.2
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	32	0.2
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	34	0.2
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	35	0.2
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	38	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	14	0.2
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	16	0.2
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	22	0.2
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	26	0.2
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	32	0.2
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	34	0.2
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	39	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	3	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	3	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	3	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	6	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	6	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	6	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	16	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	16	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	16	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	18	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	18	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	18	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	31	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	31	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	31	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	33	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	33	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	33	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	40	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	40	0.2
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	40	0.2
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	32	0.2
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	32	0.2
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	35	0.2
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	35	0.2
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	3	0.2
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	3	0.2
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	3	0.2
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	3	0.2
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	3	0.2
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	3	0.2
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	29	0.2
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	29	0.2
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	29	0.2
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	29	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	29	0.2
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	29	0.2
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	7	0.2
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	7	0.2
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	7	0.2
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	7	0.2
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	4	0.2
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	7	0.2
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	8	0.2
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	26	0.2
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	31	0.2
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	34	0.2
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	34	0.2
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	35	0.2
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	35	0.2
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	23	0.2
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	23	0.2
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	33	0.2
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	33	0.2
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	34	0.2
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	34	0.2
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	36	0.2
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	36	0.2
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	20	0.2
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	23	0.2
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	25	0.2
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	34	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	2	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	2	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	2	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	3	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	3	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	3	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	11	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	11	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	11	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	24	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	24	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	24	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	33	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	33	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	33	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	35	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	35	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	35	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	36	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	36	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	36	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	37	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	37	0.2
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	37	0.2
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	17	0.2
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	26	0.2
(1,2969)	1:53:A:GLN:HG3	1:53:A:GLN:HB2	35	0.2
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	34	0.2
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	34	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	1	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	2	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	3	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	4	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	5	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	6	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	7	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	8	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	9	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	10	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	11	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	13	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	14	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	15	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	16	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	17	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	18	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	20	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	22	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	23	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	24	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	25	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	26	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	27	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	28	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	29	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	30	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	31	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	33	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	34	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	35	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	36	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	37	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	38	0.2
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	40	0.2
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	14	0.2
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	15	0.2
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	23	0.2
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	29	0.2
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	32	0.2
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	36	0.2
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	40	0.2
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	14	0.2
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	7	0.2
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	27	0.2
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	30	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	2	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	3	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	6	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	7	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	10	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	11	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	13	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	14	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	18	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	20	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	23	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	25	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	26	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	28	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	29	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	30	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	31	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	32	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	33	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	34	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	35	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	36	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	38	0.2
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	39	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2734)	1:76:A:GLU:HG2	1:76:A:GLU:HB2	40	0.2
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	16	0.2
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	2	0.2
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	3	0.2
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	8	0.2
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	13	0.2
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	18	0.2
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	26	0.2
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	27	0.2
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	28	0.2
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	31	0.2
(1,2626)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	33	0.2
(1,2613)	1:74:A:ASP:HB2	1:74:A:ASP:HA	17	0.2
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	8	0.2
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	11	0.2
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	13	0.2
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	1	0.2
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	19	0.2
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	20	0.2
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	9	0.2
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	12	0.2
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	19	0.2
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	23	0.2
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	29	0.2
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	31	0.2
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	33	0.2
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	34	0.2
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	36	0.2
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	39	0.2
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	40	0.2
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	23	0.2
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	28	0.2
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	29	0.2
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	17	0.2
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	17	0.2
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	17	0.2
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	5	0.2
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	6	0.2
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	7	0.2
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	9	0.2
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	34	0.2
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	7	0.2
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	11	0.2
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	13	0.2
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	26	0.2
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	2	0.2
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	9	0.2
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	10	0.2
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	11	0.2
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	13	0.2
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	17	0.2
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	22	0.2
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	24	0.2
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	25	0.2
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	30	0.2
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	32	0.2
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	34	0.2
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	36	0.2
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	38	0.2
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	12	0.2
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	7	0.2
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	7	0.2
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	12	0.2
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	12	0.2
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	20	0.2
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	20	0.2
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	22	0.2
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	22	0.2
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	24	0.2
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	24	0.2
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	30	0.2
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	30	0.2
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	4	0.2
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	11	0.2
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	13	0.2
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	24	0.2
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	25	0.2
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	32	0.2
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	35	0.2
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	36	0.2
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	38	0.2
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	39	0.2
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	40	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	5	0.2
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	7	0.2
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	9	0.2
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	10	0.2
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	25	0.2
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	28	0.2
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	32	0.2
(1,2143)	1:94:A:THR:HB	1:78:A:VAL:HG11	28	0.2
(1,2143)	1:94:A:THR:HB	1:78:A:VAL:HG12	28	0.2
(1,2143)	1:94:A:THR:HB	1:78:A:VAL:HG13	28	0.2
(1,2099)	1:40:A:VAL:HG21	1:83:A:ALA:HA	36	0.2
(1,2099)	1:40:A:VAL:HG22	1:83:A:ALA:HA	36	0.2
(1,2099)	1:40:A:VAL:HG23	1:83:A:ALA:HA	36	0.2
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	31	0.2
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	31	0.2
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	31	0.2
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	5	0.2
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	5	0.2
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	5	0.2
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	5	0.2
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	5	0.2
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	5	0.2
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	5	0.2
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	5	0.2
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	5	0.2
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	14	0.2
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	14	0.2
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	14	0.2
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	14	0.2
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	14	0.2
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	14	0.2
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	14	0.2
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	14	0.2
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	14	0.2
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	1	0.2
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	1	0.2
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	1	0.2
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	5	0.2
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	5	0.2
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	5	0.2
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	6	0.2
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	6	0.2
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	11	0.2
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	11	0.2
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	11	0.2
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	35	0.2
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	35	0.2
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	35	0.2
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	35	0.2
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	35	0.2
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	35	0.2
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	8	0.2
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	8	0.2
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	8	0.2
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	12	0.2
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	12	0.2
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	12	0.2
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	2	0.2
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	2	0.2
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	2	0.2
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	3	0.2
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	3	0.2
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	3	0.2
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	4	0.2
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	4	0.2
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	4	0.2
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	8	0.2
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	8	0.2
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	8	0.2
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	14	0.2
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	14	0.2
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	14	0.2
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	28	0.2
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	28	0.2
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	28	0.2
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	17	0.2
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	4	0.2
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	4	0.2
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	4	0.2
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	4	0.2
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	4	0.2
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	4	0.2
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	4	0.2
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	4	0.2
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	16	0.2
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	16	0.2
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	16	0.2
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	16	0.2
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	16	0.2
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	16	0.2
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	16	0.2
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	16	0.2
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	16	0.2
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD11	18	0.2
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD12	18	0.2
(1,1910)	1:71:A:VAL:HG21	1:97:A:LEU:HD13	18	0.2
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD11	18	0.2
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD12	18	0.2
(1,1910)	1:71:A:VAL:HG22	1:97:A:LEU:HD13	18	0.2
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD11	18	0.2
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD12	18	0.2
(1,1910)	1:71:A:VAL:HG23	1:97:A:LEU:HD13	18	0.2
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	10	0.2
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	10	0.2
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	10	0.2
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	8	0.2
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	8	0.2
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	8	0.2
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	33	0.2
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	33	0.2
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	33	0.2
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	3	0.2
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	4	0.2
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	8	0.2
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	9	0.2
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	12	0.2
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	14	0.2
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	19	0.2
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	20	0.2
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	28	0.2
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	3	0.2
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	4	0.2
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	8	0.2
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	12	0.2
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	14	0.2
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	19	0.2
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	20	0.2
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	28	0.2
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	39	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	2	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	3	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	5	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	6	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	7	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	9	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	10	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	11	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	12	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	13	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	14	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	15	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	16	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	17	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	18	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	19	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	20	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	21	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	22	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	23	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	24	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	25	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	26	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	27	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	28	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	29	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	30	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	31	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	32	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	33	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	34	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	35	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	36	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	37	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	38	0.2
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	39	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1740)	1:51:A:GLU:HG2	1:51:A:GLU:HB2	40	0.2
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	2	0.2
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	5	0.2
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	9	0.2
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	11	0.2
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	15	0.2
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	16	0.2
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	34	0.2
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	37	0.2
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	39	0.2
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	11	0.2
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	11	0.2
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	11	0.2
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	11	0.2
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	11	0.2
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	11	0.2
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	11	0.2
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	11	0.2
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	11	0.2
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	1	0.2
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	1	0.2
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	1	0.2
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	2	0.2
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	2	0.2
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	2	0.2
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	4	0.2
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	4	0.2
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	4	0.2
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	6	0.2
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	6	0.2
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	6	0.2
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	7	0.2
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	7	0.2
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	7	0.2
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	17	0.2
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	17	0.2
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	17	0.2
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	18	0.2
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	18	0.2
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	18	0.2
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	20	0.2
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	20	0.2
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	22	0.2
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	22	0.2
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	22	0.2
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	37	0.2
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	37	0.2
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	37	0.2
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	39	0.2
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	39	0.2
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	39	0.2
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	40	0.2
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	40	0.2
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	40	0.2
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	18	0.2
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	18	0.2
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	18	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	2	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	2	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	2	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	2	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	2	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	2	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	2	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	2	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	2	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	3	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	3	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	3	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	3	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	3	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	3	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	3	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	3	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	3	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	7	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	7	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	7	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	7	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	7	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	7	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	7	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	7	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	24	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	24	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	24	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	24	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	24	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	24	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	24	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	24	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	24	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	26	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	26	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	26	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	26	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	26	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	26	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	26	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	26	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	26	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	27	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	27	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	27	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	27	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	27	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	27	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	27	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	27	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	27	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	37	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	37	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	37	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	37	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	37	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	37	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	37	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	37	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	37	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	38	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	38	0.2
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	38	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	38	0.2
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	38	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	38	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	38	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	38	0.2
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	38	0.2
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	9	0.2
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	9	0.2
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	9	0.2
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	17	0.2
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	17	0.2
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	17	0.2
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	20	0.2
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	20	0.2
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	20	0.2
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	21	0.2
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	21	0.2
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	21	0.2
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	30	0.2
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	30	0.2
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	30	0.2
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	32	0.2
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	32	0.2
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	32	0.2
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	32	0.2
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	32	0.2
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	32	0.2
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	1	0.2
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	1	0.2
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	1	0.2
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	12	0.2
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	12	0.2
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	12	0.2
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	14	0.2
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	14	0.2
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	14	0.2
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	15	0.2
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	15	0.2
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	15	0.2
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	19	0.2
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	19	0.2
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	19	0.2
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	27	0.2
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	27	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	27	0.2
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	28	0.2
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	28	0.2
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	28	0.2
(1,1535)	1:2:A:ILE:HD11	1:2:A:ILE:HA	1	0.2
(1,1535)	1:2:A:ILE:HD12	1:2:A:ILE:HA	1	0.2
(1,1535)	1:2:A:ILE:HD13	1:2:A:ILE:HA	1	0.2
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	22	0.2
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	22	0.2
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	22	0.2
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	22	0.2
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	22	0.2
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	22	0.2
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	29	0.2
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	29	0.2
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	29	0.2
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	29	0.2
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	29	0.2
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	29	0.2
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	31	0.2
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	31	0.2
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	31	0.2
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	31	0.2
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	31	0.2
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	31	0.2
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	37	0.2
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	37	0.2
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	37	0.2
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	1	0.2
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	1	0.2
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	1	0.2
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	3	0.2
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	3	0.2
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	3	0.2
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	13	0.2
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	13	0.2
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	13	0.2
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	24	0.2
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	24	0.2
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	24	0.2
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	33	0.2
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	33	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	33	0.2
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	4	0.2
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	4	0.2
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	4	0.2
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	7	0.2
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	7	0.2
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	7	0.2
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	10	0.2
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	10	0.2
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	10	0.2
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	18	0.2
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	18	0.2
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	18	0.2
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	24	0.2
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	24	0.2
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	24	0.2
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	33	0.2
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	33	0.2
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	33	0.2
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	1	0.2
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	1	0.2
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	1	0.2
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	3	0.2
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	3	0.2
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	3	0.2
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	6	0.2
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	6	0.2
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	6	0.2
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	10	0.2
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	10	0.2
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	10	0.2
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	12	0.2
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	12	0.2
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	12	0.2
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	13	0.2
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	13	0.2
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	13	0.2
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	16	0.2
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	16	0.2
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	16	0.2
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	23	0.2
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	23	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	23	0.2
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	25	0.2
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	25	0.2
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	25	0.2
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	30	0.2
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	30	0.2
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	30	0.2
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	32	0.2
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	32	0.2
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	32	0.2
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	33	0.2
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	33	0.2
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	33	0.2
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	39	0.2
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	39	0.2
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	39	0.2
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	40	0.2
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	40	0.2
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	40	0.2
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	1	0.2
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	1	0.2
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	1	0.2
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	12	0.2
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	12	0.2
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	12	0.2
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	19	0.2
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	19	0.2
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	19	0.2
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	21	0.2
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	21	0.2
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	21	0.2
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	25	0.2
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	25	0.2
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	25	0.2
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	26	0.2
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	26	0.2
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	26	0.2
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	30	0.2
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	30	0.2
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	30	0.2
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	36	0.2
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	36	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	36	0.2
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	38	0.2
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	38	0.2
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	38	0.2
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	6	0.2
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	6	0.2
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	6	0.2
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	22	0.2
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	22	0.2
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	22	0.2
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	23	0.2
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	23	0.2
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	23	0.2
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	37	0.2
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	37	0.2
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	37	0.2
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	1	0.2
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	1	0.2
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	1	0.2
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	3	0.2
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	3	0.2
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	3	0.2
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	6	0.2
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	6	0.2
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	6	0.2
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	12	0.2
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	12	0.2
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	12	0.2
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	19	0.2
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	19	0.2
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	19	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	5	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	5	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	5	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	8	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	8	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	8	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	10	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	10	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	10	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	13	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	13	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	14	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	14	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	14	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	18	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	18	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	18	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	23	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	23	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	23	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	25	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	25	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	25	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	26	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	26	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	26	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	27	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	27	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	27	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	30	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	30	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	30	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	31	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	31	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	31	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	32	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	32	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	32	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	33	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	33	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	33	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	34	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	34	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	34	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	35	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	35	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	35	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	36	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	36	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	36	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	37	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	37	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	37	0.2
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	39	0.2
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	39	0.2
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	39	0.2
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	6	0.2
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	6	0.2
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	6	0.2
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	7	0.2
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	7	0.2
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	7	0.2
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	14	0.2
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	12	0.2
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	12	0.2
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	12	0.2
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	13	0.2
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	13	0.2
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	13	0.2
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	21	0.2
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	21	0.2
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	21	0.2
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	24	0.2
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	24	0.2
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	24	0.2
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	27	0.2
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	27	0.2
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	27	0.2
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	29	0.2
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	29	0.2
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	29	0.2
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	30	0.2
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	30	0.2
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	30	0.2
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	32	0.2
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	32	0.2
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	32	0.2
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	38	0.2
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	38	0.2
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	38	0.2
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	39	0.2
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	39	0.2
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	39	0.2
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	40	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	40	0.2
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	40	0.2
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	1	0.2
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	1	0.2
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	1	0.2
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	5	0.2
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	5	0.2
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	5	0.2
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	6	0.2
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	6	0.2
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	6	0.2
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	21	0.2
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	21	0.2
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	21	0.2
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	24	0.2
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	24	0.2
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	24	0.2
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	34	0.2
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	34	0.2
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	34	0.2
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	39	0.2
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	39	0.2
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	39	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	1	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	1	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	1	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	2	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	2	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	2	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	4	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	4	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	4	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	5	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	5	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	5	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	8	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	8	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	8	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	9	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	9	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	9	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	12	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	12	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	13	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	13	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	13	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	15	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	15	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	15	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	17	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	17	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	17	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	18	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	18	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	18	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	21	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	21	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	21	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	22	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	22	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	22	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	23	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	23	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	23	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	24	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	24	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	24	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	25	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	25	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	25	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	28	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	28	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	28	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	29	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	29	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	29	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	30	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	30	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	30	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	31	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	31	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	31	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	32	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	32	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	32	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	33	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	33	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	33	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	34	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	34	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	34	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	35	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	35	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	35	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	36	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	36	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	36	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	37	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	37	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	37	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	38	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	38	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	38	0.2
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	39	0.2
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	39	0.2
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	39	0.2
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	36	0.2
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	36	0.2
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	36	0.2
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	36	0.2
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	36	0.2
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	36	0.2
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	3	0.2
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	3	0.2
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	3	0.2
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	12	0.2
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	12	0.2
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	12	0.2
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	25	0.2
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	25	0.2
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	25	0.2
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	32	0.2
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	32	0.2
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	32	0.2
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	33	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	33	0.2
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	33	0.2
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	34	0.2
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	34	0.2
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	34	0.2
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	35	0.2
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	35	0.2
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	35	0.2
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	38	0.2
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	38	0.2
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	38	0.2
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	3	0.2
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	3	0.2
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	3	0.2
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	12	0.2
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	12	0.2
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	12	0.2
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	25	0.2
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	25	0.2
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	25	0.2
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	32	0.2
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	32	0.2
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	32	0.2
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	33	0.2
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	33	0.2
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	33	0.2
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	34	0.2
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	34	0.2
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	34	0.2
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	35	0.2
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	35	0.2
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	35	0.2
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	38	0.2
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	38	0.2
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	38	0.2
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	19	0.2
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	19	0.2
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	19	0.2
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	26	0.2
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	26	0.2
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	26	0.2
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	40	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	40	0.2
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	40	0.2
(1,1226)	1:101:A:LEU:H	1:22:A:SER:HA	34	0.2
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	4	0.2
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	11	0.2
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	22	0.2
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	29	0.2
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	8	0.2
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	8	0.2
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	8	0.2
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	7	0.2
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	26	0.2
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	29	0.2
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	31	0.2
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	32	0.2
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	8	0.2
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	19	0.2
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	20	0.2
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	25	0.2
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	26	0.2
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	28	0.2
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	30	0.2
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	39	0.2
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	5	0.2
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	14	0.2
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	15	0.2
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	22	0.2
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	23	0.2
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	24	0.2
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	25	0.2
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	31	0.2
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	35	0.2
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	40	0.2
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	3	0.2
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	3	0.2
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	10	0.2
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	10	0.2
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	13	0.2
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	13	0.2
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	15	0.2
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	15	0.2
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	21	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	21	0.2
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	38	0.2
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	38	0.2
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	1	0.2
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	8	0.2
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	9	0.2
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	31	0.2
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	32	0.2
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	34	0.2
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	35	0.2
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	38	0.2
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	10	0.2
(1,969)	1:21:A:VAL:H	1:20:A:VAL:HB	20	0.2
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	5	0.2
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	35	0.2
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	6	0.2
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	17	0.2
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	18	0.2
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	35	0.2
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	38	0.2
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	8	0.2
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	11	0.2
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	13	0.2
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	21	0.2
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	36	0.2
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	22	0.2
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	25	0.2
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	29	0.2
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	36	0.2
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	1	0.2
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	2	0.2
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	13	0.2
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	19	0.2
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	10	0.2
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	10	0.2
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	10	0.2
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	20	0.2
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	20	0.2
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	20	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	2	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	2	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	7	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	7	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	7	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	8	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	8	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	8	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	15	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	15	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	15	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	21	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	21	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	21	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	25	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	25	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	25	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	30	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	30	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	30	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	40	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	40	0.2
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	40	0.2
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	9	0.2
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	21	0.2
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	22	0.2
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	34	0.2
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	35	0.2
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	36	0.2
(1,786)	1:6:A:THR:H	1:6:A:THR:HG21	36	0.2
(1,786)	1:6:A:THR:H	1:6:A:THR:HG22	36	0.2
(1,786)	1:6:A:THR:H	1:6:A:THR:HG23	36	0.2
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	8	0.2
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	9	0.2
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	22	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	1	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	5	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	6	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	7	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	9	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	11	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	17	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	18	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	21	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	22	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	25	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	27	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	28	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	31	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	32	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	33	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	34	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	35	0.2
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	37	0.2
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	2	0.2
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	11	0.2
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	16	0.2
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	22	0.2
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	30	0.2
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	33	0.2
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	37	0.2
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	5	0.2
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	16	0.2
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	38	0.2
(1,669)	1:72:A:THR:H	1:72:A:THR:HG21	17	0.2
(1,669)	1:72:A:THR:H	1:72:A:THR:HG22	17	0.2
(1,669)	1:72:A:THR:H	1:72:A:THR:HG23	17	0.2
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	14	0.2
(1,590)	1:3:A:ASP:H	1:2:A:ILE:HA	30	0.2
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	3	0.2
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	3	0.2
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	26	0.2
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	26	0.2
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	1	0.2
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	7	0.2
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	12	0.2
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	13	0.2
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	15	0.2
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	17	0.2
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	24	0.2
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	27	0.2
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	32	0.2
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	33	0.2
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	35	0.2
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	36	0.2
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	20	0.2
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	24	0.2
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	33	0.2
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	38	0.2
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	1	0.2
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	8	0.2
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	13	0.2
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	24	0.2
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	38	0.2
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	13	0.2
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	14	0.2
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	28	0.2
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	36	0.2
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	19	0.2
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	20	0.2
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	39	0.2
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	16	0.2
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	29	0.2
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	17	0.2
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	38	0.2
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	9	0.2
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	35	0.2
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	11	0.2
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	14	0.2
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	18	0.2
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	4	0.2
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	11	0.2
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	13	0.2
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	24	0.2
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	25	0.2
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	32	0.2
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	35	0.2
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	36	0.2
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	38	0.2
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	39	0.2
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	40	0.2
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	1	0.2
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	7	0.2
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	8	0.2
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	10	0.2
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	12	0.2
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	31	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	33	0.2
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	28	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	3	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	3	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	3	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	12	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	12	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	12	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	25	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	25	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	25	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	32	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	32	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	32	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	33	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	33	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	33	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	34	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	34	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	34	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	35	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	35	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	35	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	38	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	38	0.2
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	38	0.2
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	11	0.2
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	7	0.2
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	7	0.2
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	7	0.2
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	16	0.2
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	16	0.2
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	16	0.2
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	1	0.2
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	8	0.2
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	9	0.2
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	31	0.2
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	32	0.2
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	34	0.2
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	35	0.2
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	38	0.2
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	16	0.2
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	22	0.2
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	26	0.2
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	32	0.2
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	34	0.2
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	39	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	3	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	3	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	3	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	6	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	6	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	6	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	16	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	16	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	16	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	18	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	18	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	18	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	31	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	31	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	31	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	33	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	33	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	33	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	40	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	40	0.2
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	40	0.2
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	1	0.19
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	1	0.19
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	26	0.19
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	26	0.19
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	19	0.19
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	19	0.19
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	28	0.19
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	28	0.19
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	10	0.19
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	10	0.19
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	10	0.19
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	10	0.19
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	10	0.19
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	10	0.19
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	27	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	27	0.19
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	27	0.19
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	27	0.19
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	27	0.19
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	27	0.19
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	28	0.19
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	28	0.19
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	28	0.19
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	28	0.19
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	28	0.19
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	28	0.19
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	40	0.19
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	40	0.19
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	40	0.19
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	40	0.19
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	40	0.19
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	40	0.19
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	10	0.19
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	10	0.19
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	10	0.19
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	10	0.19
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	6	0.19
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	9	0.19
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	13	0.19
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	16	0.19
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	25	0.19
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	32	0.19
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	14	0.19
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	14	0.19
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	1	0.19
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	1	0.19
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	25	0.19
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	25	0.19
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	20	0.19
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	20	0.19
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	28	0.19
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	28	0.19
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	33	0.19
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	33	0.19
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	40	0.19
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	40	0.19
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	20	0.19
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	28	0.19
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	28	0.19
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	33	0.19
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	33	0.19
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	40	0.19
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	40	0.19
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	19	0.19
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	1	0.19
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	4	0.19
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	35	0.19
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	4	0.19
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	4	0.19
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	4	0.19
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	18	0.19
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	18	0.19
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	18	0.19
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	23	0.19
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	23	0.19
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	23	0.19
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	40	0.19
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	40	0.19
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	40	0.19
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	18	0.19
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	23	0.19
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	31	0.19
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	32	0.19
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	34	0.19
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	12	0.19
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	19	0.19
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	21	0.19
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	32	0.19
(3,2874)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	39	0.19
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	4	0.19
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	12	0.19
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	19	0.19
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	21	0.19
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	22	0.19
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	24	0.19
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	27	0.19
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	34	0.19
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	35	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	35	0.19
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	35	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	3	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	6	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	7	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	10	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	11	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	12	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	13	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	15	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	21	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	22	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	24	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	25	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	26	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	28	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	29	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	30	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	31	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	32	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	33	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	34	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	36	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	39	0.19
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	40	0.19
(3,2680)	1:53:A:GLN:HA	1:53:A:GLN:HB2	5	0.19
(3,2680)	1:53:A:GLN:HA	1:53:A:GLN:HB2	8	0.19
(3,2680)	1:53:A:GLN:HA	1:53:A:GLN:HB2	9	0.19
(3,2680)	1:53:A:GLN:HA	1:53:A:GLN:HB2	10	0.19
(3,2680)	1:53:A:GLN:HA	1:53:A:GLN:HB2	11	0.19
(3,2680)	1:53:A:GLN:HA	1:53:A:GLN:HB2	15	0.19
(3,2680)	1:53:A:GLN:HA	1:53:A:GLN:HB2	16	0.19
(3,2680)	1:53:A:GLN:HA	1:53:A:GLN:HB2	21	0.19
(3,2680)	1:53:A:GLN:HA	1:53:A:GLN:HB2	23	0.19
(3,2680)	1:53:A:GLN:HA	1:53:A:GLN:HB2	24	0.19
(3,2680)	1:53:A:GLN:HA	1:53:A:GLN:HB2	34	0.19
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	6	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	1	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	2	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	3	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	4	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	6	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	7	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	8	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	9	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	10	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	11	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	12	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	13	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	14	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	15	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	16	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	17	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	19	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	20	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	21	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	22	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	23	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	24	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	25	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	26	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	27	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	28	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	29	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	30	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	31	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	32	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	33	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	34	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	35	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	36	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	37	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	38	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	39	0.19
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	40	0.19
(3,2617)	1:74:A:ASP:HB2	1:74:A:ASP:HA	36	0.19
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	22	0.19
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	39	0.19
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	24	0.19
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	25	0.19
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	30	0.19
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	39	0.19
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	10	0.19
(3,2538)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	16	0.19
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	11	0.19
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	13	0.19
(3,2507)	1:46:A:PRO:HD2	1:47:A:THR:HB	11	0.19
(3,2463)	1:4:A:PRO:HD3	1:3:A:ASP:HA	37	0.19
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	11	0.19
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	35	0.19
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	3	0.19
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	3	0.19
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	3	0.19
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	20	0.19
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	20	0.19
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	20	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	1	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	3	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	10	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	11	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	12	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	13	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	14	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	15	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	17	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	18	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	19	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	21	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	22	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	23	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	24	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	25	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	26	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	27	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	28	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	29	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	30	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	32	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	35	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	36	0.19
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	39	0.19
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	4	0.19
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	10	0.19
(3,2325)	1:80:A:SER:HB2	1:81:A:VAL:H	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	4	0.19
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	12	0.19
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	14	0.19
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	16	0.19
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	27	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	1	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	2	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	3	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	4	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	5	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	6	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	7	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	8	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	10	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	11	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	13	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	15	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	16	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	17	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	18	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	19	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	20	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	21	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	22	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	23	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	24	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	25	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	26	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	27	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	28	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	29	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	30	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	31	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	32	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	33	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	34	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	35	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	36	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	37	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	38	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	39	0.19
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	40	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	8	0.19
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	8	0.19
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	18	0.19
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	18	0.19
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	26	0.19
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	26	0.19
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	29	0.19
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	29	0.19
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	36	0.19
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	36	0.19
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	37	0.19
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	37	0.19
(3,2239)	1:18:A:ASN:HB3	1:18:A:ASN:H	12	0.19
(3,2218)	1:56:A:ASN:HA	1:56:A:ASN:HD21	32	0.19
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	1	0.19
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	6	0.19
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	23	0.19
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	30	0.19
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	33	0.19
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	36	0.19
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	11	0.19
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	11	0.19
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	11	0.19
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	14	0.19
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	14	0.19
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	14	0.19
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	23	0.19
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	23	0.19
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	23	0.19
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	26	0.19
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	26	0.19
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	26	0.19
(3,2081)	1:97:A:LEU:HD11	1:21:A:VAL:HB	5	0.19
(3,2081)	1:97:A:LEU:HD12	1:21:A:VAL:HB	5	0.19
(3,2081)	1:97:A:LEU:HD13	1:21:A:VAL:HB	5	0.19
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	37	0.19
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	37	0.19
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	37	0.19
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	37	0.19
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	37	0.19
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	37	0.19
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	7	0.19
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	7	0.19
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	17	0.19
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	17	0.19
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	17	0.19
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	39	0.19
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	39	0.19
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	39	0.19
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	36	0.19
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	36	0.19
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	36	0.19
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	36	0.19
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	36	0.19
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	36	0.19
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	2	0.19
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	2	0.19
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	40	0.19
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	40	0.19
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	40	0.19
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	1	0.19
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	1	0.19
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	1	0.19
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	14	0.19
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	14	0.19
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	14	0.19
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	34	0.19
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	34	0.19
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	34	0.19
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	15	0.19
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	15	0.19
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	15	0.19
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	15	0.19
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	16	0.19
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	16	0.19
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	16	0.19
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	24	0.19
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	24	0.19
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	24	0.19
(3,1864)	1:7:A:ALA:HB1	1:88:A:ARG:HA	2	0.19
(3,1864)	1:7:A:ALA:HB2	1:88:A:ARG:HA	2	0.19
(3,1864)	1:7:A:ALA:HB3	1:88:A:ARG:HA	2	0.19
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	35	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	35	0.19
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	35	0.19
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	37	0.19
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	37	0.19
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	37	0.19
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	38	0.19
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	38	0.19
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	38	0.19
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	40	0.19
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	40	0.19
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	40	0.19
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	2	0.19
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	13	0.19
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	15	0.19
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	18	0.19
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	2	0.19
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	13	0.19
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	15	0.19
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	18	0.19
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	29	0.19
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	38	0.19
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	9	0.19
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	38	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	4	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	6	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	7	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	10	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	13	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	17	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	21	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	23	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	24	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	25	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	26	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	28	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	30	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	31	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	35	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	36	0.19
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	40	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	3	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	3	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	5	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	5	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	5	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	8	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	8	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	8	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	9	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	9	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	9	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	10	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	10	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	10	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	12	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	12	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	12	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	14	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	14	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	14	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	16	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	16	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	16	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	19	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	19	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	19	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	21	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	21	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	21	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	24	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	24	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	24	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	25	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	25	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	25	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	27	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	27	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	27	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	28	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	28	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	28	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	29	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	29	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	29	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	30	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	30	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	30	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	33	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	33	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	33	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	34	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	34	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	34	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	35	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	35	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	35	0.19
(3,1699)	1:101:A:LEU:HD11	1:101:A:LEU:HA	36	0.19
(3,1699)	1:101:A:LEU:HD12	1:101:A:LEU:HA	36	0.19
(3,1699)	1:101:A:LEU:HD13	1:101:A:LEU:HA	36	0.19
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	29	0.19
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	29	0.19
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	29	0.19
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	17	0.19
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	17	0.19
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	17	0.19
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	17	0.19
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	17	0.19
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	17	0.19
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	17	0.19
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	17	0.19
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	17	0.19
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	19	0.19
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	19	0.19
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	19	0.19
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	19	0.19
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	19	0.19
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	19	0.19
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	19	0.19
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	19	0.19
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	19	0.19
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	29	0.19
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	29	0.19
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	29	0.19
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	29	0.19
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	29	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	29	0.19
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	29	0.19
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	29	0.19
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	29	0.19
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	36	0.19
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	36	0.19
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	36	0.19
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	36	0.19
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	36	0.19
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	36	0.19
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	36	0.19
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	36	0.19
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	36	0.19
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	12	0.19
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	12	0.19
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	12	0.19
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	16	0.19
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	16	0.19
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	16	0.19
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	29	0.19
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	29	0.19
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	29	0.19
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	33	0.19
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	33	0.19
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	33	0.19
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	37	0.19
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	37	0.19
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	37	0.19
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	16	0.19
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	16	0.19
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	16	0.19
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	24	0.19
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	24	0.19
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	24	0.19
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	27	0.19
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	27	0.19
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	27	0.19
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	34	0.19
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	34	0.19
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	34	0.19
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	38	0.19
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	38	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	38	0.19
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	39	0.19
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	39	0.19
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	39	0.19
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	11	0.19
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	11	0.19
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	11	0.19
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	35	0.19
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	35	0.19
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	35	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	4	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	4	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	4	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	5	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	5	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	5	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	6	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	6	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	6	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	7	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	7	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	7	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	8	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	8	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	8	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	9	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	9	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	9	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	10	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	10	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	10	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	13	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	13	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	13	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	16	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	16	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	16	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	17	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	17	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	17	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	18	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	18	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	20	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	20	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	20	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	21	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	21	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	21	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	22	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	22	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	22	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	23	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	23	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	23	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	25	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	25	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	25	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	26	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	26	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	26	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	29	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	29	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	29	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	30	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	30	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	30	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	31	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	31	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	31	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	32	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	32	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	32	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	33	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	33	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	33	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	34	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	34	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	34	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	35	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	35	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	35	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	37	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	37	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	37	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	38	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	38	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	38	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	39	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	39	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	39	0.19
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	40	0.19
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	40	0.19
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	40	0.19
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	35	0.19
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	35	0.19
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	35	0.19
(3,1534)	1:2:A:ILE:HG21	1:2:A:ILE:HA	30	0.19
(3,1534)	1:2:A:ILE:HG22	1:2:A:ILE:HA	30	0.19
(3,1534)	1:2:A:ILE:HG23	1:2:A:ILE:HA	30	0.19
(3,1534)	1:2:A:ILE:HG21	1:2:A:ILE:HA	36	0.19
(3,1534)	1:2:A:ILE:HG22	1:2:A:ILE:HA	36	0.19
(3,1534)	1:2:A:ILE:HG23	1:2:A:ILE:HA	36	0.19
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	8	0.19
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	8	0.19
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	8	0.19
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	8	0.19
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	8	0.19
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	8	0.19
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	11	0.19
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	11	0.19
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	11	0.19
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	11	0.19
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	11	0.19
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	11	0.19
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	26	0.19
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	26	0.19
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	26	0.19
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	26	0.19
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	26	0.19
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	26	0.19
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	34	0.19
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	34	0.19
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	34	0.19
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	34	0.19
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	34	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	34	0.19
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	8	0.19
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	8	0.19
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	8	0.19
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	11	0.19
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	11	0.19
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	11	0.19
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	12	0.19
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	12	0.19
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	12	0.19
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	19	0.19
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	19	0.19
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	19	0.19
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	21	0.19
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	21	0.19
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	21	0.19
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	22	0.19
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	22	0.19
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	22	0.19
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	28	0.19
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	28	0.19
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	28	0.19
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	5	0.19
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	5	0.19
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	5	0.19
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	12	0.19
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	12	0.19
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	12	0.19
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	13	0.19
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	13	0.19
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	13	0.19
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	23	0.19
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	23	0.19
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	23	0.19
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	25	0.19
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	25	0.19
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	25	0.19
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	30	0.19
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	30	0.19
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	30	0.19
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	31	0.19
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	31	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	31	0.19
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	32	0.19
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	32	0.19
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	32	0.19
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	35	0.19
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	35	0.19
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	35	0.19
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	36	0.19
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	36	0.19
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	36	0.19
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	37	0.19
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	37	0.19
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	37	0.19
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	39	0.19
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	39	0.19
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	39	0.19
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	5	0.19
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	5	0.19
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	5	0.19
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	18	0.19
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	18	0.19
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	18	0.19
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	27	0.19
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	27	0.19
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	27	0.19
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	29	0.19
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	29	0.19
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	29	0.19
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	31	0.19
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	31	0.19
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	31	0.19
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	36	0.19
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	36	0.19
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	36	0.19
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	37	0.19
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	37	0.19
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	37	0.19
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	2	0.19
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	2	0.19
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	2	0.19
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	3	0.19
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	3	0.19
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	5	0.19
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	5	0.19
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	5	0.19
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	6	0.19
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	6	0.19
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	6	0.19
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	11	0.19
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	11	0.19
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	11	0.19
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	13	0.19
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	13	0.19
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	13	0.19
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	27	0.19
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	27	0.19
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	27	0.19
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	32	0.19
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	32	0.19
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	32	0.19
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	37	0.19
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	37	0.19
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	37	0.19
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	9	0.19
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	9	0.19
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	9	0.19
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	15	0.19
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	15	0.19
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	15	0.19
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	33	0.19
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	33	0.19
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	33	0.19
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	35	0.19
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	35	0.19
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	35	0.19
(3,1455)	1:71:A:VAL:HG11	1:71:A:VAL:H	9	0.19
(3,1455)	1:71:A:VAL:HG12	1:71:A:VAL:H	9	0.19
(3,1455)	1:71:A:VAL:HG13	1:71:A:VAL:H	9	0.19
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	2	0.19
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	2	0.19
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	2	0.19
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	4	0.19
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	4	0.19
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	6	0.19
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	6	0.19
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	6	0.19
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	20	0.19
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	20	0.19
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	20	0.19
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	29	0.19
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	29	0.19
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	29	0.19
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	7	0.19
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	7	0.19
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	7	0.19
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	11	0.19
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	11	0.19
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	11	0.19
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	21	0.19
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	21	0.19
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	21	0.19
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	24	0.19
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	24	0.19
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	24	0.19
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	13	0.19
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	13	0.19
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	13	0.19
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	28	0.19
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	28	0.19
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	28	0.19
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	27	0.19
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	36	0.19
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	37	0.19
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	2	0.19
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	2	0.19
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	2	0.19
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	4	0.19
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	4	0.19
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	4	0.19
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	6	0.19
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	6	0.19
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	6	0.19
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	10	0.19
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	10	0.19
(3,1371)	1:16:A:ILE:HG21	1:17:A:GLN:H	16	0.19
(3,1371)	1:16:A:ILE:HG22	1:17:A:GLN:H	16	0.19
(3,1371)	1:16:A:ILE:HG23	1:17:A:GLN:H	16	0.19
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	13	0.19
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	13	0.19
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	13	0.19
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	15	0.19
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	15	0.19
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	15	0.19
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	22	0.19
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	22	0.19
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	22	0.19
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	28	0.19
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	28	0.19
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	28	0.19
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	29	0.19
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	29	0.19
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	29	0.19
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	31	0.19
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	31	0.19
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	31	0.19
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	32	0.19
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	32	0.19
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	32	0.19
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	6	0.19
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	6	0.19
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	6	0.19
(3,1305)	1:19:A:ILE:HD11	1:19:A:ILE:HA	16	0.19
(3,1305)	1:19:A:ILE:HD12	1:19:A:ILE:HA	16	0.19
(3,1305)	1:19:A:ILE:HD13	1:19:A:ILE:HA	16	0.19
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	2	0.19
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	2	0.19
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	2	0.19
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	7	0.19
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	7	0.19
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	7	0.19
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	2	0.19
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	2	0.19
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	2	0.19
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	7	0.19
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	7	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	1	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	1	0.19
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	1	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	2	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	2	0.19
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	2	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	7	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	7	0.19
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	7	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	10	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	10	0.19
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	10	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	14	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	14	0.19
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	14	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	15	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	15	0.19
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	15	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	18	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	18	0.19
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	18	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	21	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	21	0.19
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	21	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	22	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	22	0.19
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	22	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	23	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	23	0.19
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	23	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	24	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	24	0.19
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	24	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	26	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	26	0.19
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	26	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	30	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	30	0.19
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	30	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	36	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	36	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	36	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	37	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	37	0.19
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	37	0.19
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	39	0.19
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	39	0.19
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	39	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	1	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	1	0.19
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	1	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	2	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	2	0.19
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	2	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	7	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	7	0.19
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	7	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	10	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	10	0.19
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	10	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	14	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	14	0.19
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	14	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	15	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	15	0.19
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	15	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	18	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	18	0.19
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	18	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	21	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	21	0.19
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	21	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	22	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	22	0.19
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	22	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	23	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	23	0.19
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	23	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	24	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	24	0.19
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	24	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	26	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	26	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	26	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	30	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	30	0.19
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	30	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	36	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	36	0.19
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	36	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	37	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	37	0.19
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	37	0.19
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	39	0.19
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	39	0.19
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	39	0.19
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	7	0.19
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	7	0.19
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	7	0.19
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	21	0.19
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	21	0.19
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	21	0.19
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	24	0.19
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	24	0.19
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	24	0.19
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	29	0.19
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	29	0.19
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	29	0.19
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	32	0.19
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	32	0.19
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	32	0.19
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	33	0.19
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	33	0.19
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	33	0.19
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	39	0.19
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	39	0.19
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	39	0.19
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	10	0.19
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	15	0.19
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	17	0.19
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	24	0.19
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	40	0.19
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG11	34	0.19
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG12	34	0.19
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG13	34	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	1	0.19
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	5	0.19
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	17	0.19
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	22	0.19
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	31	0.19
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	34	0.19
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	36	0.19
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	6	0.19
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	12	0.19
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	27	0.19
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	11	0.19
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	11	0.19
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	17	0.19
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	17	0.19
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	19	0.19
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	19	0.19
(3,1152)	1:54:A:LYS:H	1:53:A:GLN:HG3	7	0.19
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	3	0.19
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	10	0.19
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	12	0.19
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	15	0.19
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	17	0.19
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	18	0.19
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	20	0.19
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	23	0.19
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	25	0.19
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	28	0.19
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	30	0.19
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	36	0.19
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	37	0.19
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	7	0.19
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	8	0.19
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	13	0.19
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	17	0.19
(3,1003)	1:5:A:PHE:H	1:4:A:PRO:HA	16	0.19
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	40	0.19
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	1	0.19
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	29	0.19
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	33	0.19
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	37	0.19
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	22	0.19
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	39	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	15	0.19
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	27	0.19
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	23	0.19
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	24	0.19
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	26	0.19
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	27	0.19
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	31	0.19
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	34	0.19
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	38	0.19
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	39	0.19
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	40	0.19
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	3	0.19
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	17	0.19
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	31	0.19
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	34	0.19
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	40	0.19
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	6	0.19
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	13	0.19
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	27	0.19
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	16	0.19
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	16	0.19
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	16	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	1	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	1	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	1	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	6	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	6	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	6	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	31	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	31	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	31	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	33	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	33	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	33	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	34	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	34	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	34	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	36	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	36	0.19
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	36	0.19
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	5	0.19
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	11	0.19
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	13	0.19
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	18	0.19
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	20	0.19
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	23	0.19
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	25	0.19
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	32	0.19
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	37	0.19
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	7	0.19
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	17	0.19
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	26	0.19
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	27	0.19
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	32	0.19
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	36	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	2	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	4	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	8	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	10	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	12	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	13	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	14	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	15	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	16	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	19	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	23	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	24	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	26	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	29	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	30	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	36	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	38	0.19
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	39	0.19
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	3	0.19
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	5	0.19
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	25	0.19
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	34	0.19
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	35	0.19
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	2	0.19
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	3	0.19
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	8	0.19
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	9	0.19
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	25	0.19
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	30	0.19
(3,669)	1:72:A:THR:H	1:72:A:THR:HG21	18	0.19
(3,669)	1:72:A:THR:H	1:72:A:THR:HG22	18	0.19
(3,669)	1:72:A:THR:H	1:72:A:THR:HG23	18	0.19
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	13	0.19
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	27	0.19
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	31	0.19
(3,590)	1:3:A:ASP:H	1:2:A:ILE:HA	8	0.19
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	21	0.19
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	27	0.19
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	40	0.19
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	6	0.19
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	1	0.19
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	1	0.19
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	20	0.19
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	20	0.19
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	3	0.19
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	9	0.19
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	14	0.19
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	20	0.19
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	21	0.19
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	22	0.19
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	23	0.19
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	25	0.19
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	30	0.19
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	34	0.19
(3,556)	1:47:A:THR:H	1:48:A:GLU:H	40	0.19
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	12	0.19
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	23	0.19
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	16	0.19
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	21	0.19
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	25	0.19
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	27	0.19
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	18	0.19
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	7	0.19
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	19	0.19
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	1	0.19
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	3	0.19
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	8	0.19
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	10	0.19
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	27	0.19
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	28	0.19
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	28	0.19
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	39	0.19
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	26	0.19
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	7	0.19
(3,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	27	0.19
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	13	0.19
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	19	0.19
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	27	0.19
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	35	0.19
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	37	0.19
(3,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	12	0.19
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	6	0.19
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	14	0.19
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	24	0.19
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	2	0.19
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	12	0.19
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	19	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	1	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	1	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	1	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	2	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	2	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	2	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	7	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	7	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	7	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	10	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	10	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	10	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	14	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	14	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	14	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	15	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	15	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	15	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	18	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	18	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	18	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	21	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	21	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	21	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	22	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	22	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	22	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	23	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	23	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	23	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	24	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	24	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	24	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	26	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	26	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	26	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	30	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	30	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	30	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	36	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	36	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	36	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	37	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	37	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	37	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	39	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	39	0.19
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	39	0.19
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	13	0.19
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	23	0.19
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	29	0.19
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	31	0.19
(3,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	31	0.19
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	3	0.19
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	10	0.19
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	12	0.19
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	15	0.19
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	17	0.19
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	18	0.19
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	20	0.19
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	23	0.19
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	25	0.19
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	28	0.19
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	30	0.19
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	36	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	37	0.19
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	1	0.19
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	3	0.19
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	15	0.19
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	18	0.19
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	20	0.19
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	23	0.19
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	25	0.19
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	27	0.19
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	28	0.19
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	29	0.19
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	30	0.19
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	31	0.19
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	33	0.19
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	4	0.19
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	12	0.19
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	19	0.19
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	20	0.19
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	31	0.19
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	32	0.19
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	35	0.19
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	38	0.19
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	10	0.19
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	10	0.19
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	10	0.19
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	19	0.19
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	19	0.19
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	19	0.19
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG21	37	0.19
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG22	37	0.19
(3,74)	1:51:A:GLU:H	1:50:A:THR:HG23	37	0.19
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	9	0.19
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	38	0.19
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	31	0.19
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	3	0.19
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	8	0.19
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	15	0.19
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	24	0.19
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	27	0.19
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	28	0.19
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	30	0.19
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	31	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	1	0.19
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	1	0.19
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	26	0.19
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	26	0.19
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	19	0.19
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	19	0.19
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	28	0.19
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	28	0.19
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	10	0.19
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	10	0.19
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	10	0.19
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	10	0.19
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	10	0.19
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	10	0.19
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	27	0.19
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	27	0.19
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	27	0.19
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	27	0.19
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	27	0.19
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	27	0.19
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	28	0.19
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	28	0.19
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	28	0.19
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	28	0.19
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	28	0.19
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	28	0.19
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	40	0.19
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	40	0.19
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	40	0.19
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	40	0.19
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	40	0.19
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	40	0.19
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	10	0.19
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	10	0.19
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	10	0.19
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	10	0.19
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	6	0.19
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	9	0.19
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	13	0.19
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	16	0.19
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	25	0.19
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	32	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	14	0.19
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	14	0.19
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	1	0.19
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	1	0.19
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	25	0.19
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	25	0.19
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	20	0.19
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	20	0.19
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	28	0.19
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	28	0.19
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	33	0.19
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	33	0.19
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	40	0.19
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	40	0.19
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	20	0.19
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	20	0.19
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	28	0.19
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	28	0.19
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	33	0.19
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	33	0.19
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	40	0.19
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	40	0.19
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	19	0.19
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	1	0.19
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	4	0.19
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	35	0.19
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	4	0.19
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	4	0.19
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	4	0.19
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	18	0.19
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	18	0.19
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	18	0.19
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	23	0.19
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	23	0.19
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	23	0.19
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	40	0.19
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	40	0.19
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	40	0.19
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	18	0.19
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	23	0.19
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	31	0.19
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	32	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	34	0.19
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	12	0.19
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	19	0.19
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	21	0.19
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	32	0.19
(1,2867)	1:92:A:ARG:HD2	1:92:A:ARG:HG2	39	0.19
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	4	0.19
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	12	0.19
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	19	0.19
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	21	0.19
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	22	0.19
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	24	0.19
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	27	0.19
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	34	0.19
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	35	0.19
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	35	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	3	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	6	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	7	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	10	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	11	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	12	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	13	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	15	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	21	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	22	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	24	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	25	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	26	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	28	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	29	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	30	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	31	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	32	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	33	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	34	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	36	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	39	0.19
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	40	0.19
(1,2676)	1:53:A:GLN:HA	1:53:A:GLN:HB2	5	0.19
(1,2676)	1:53:A:GLN:HA	1:53:A:GLN:HB2	8	0.19
(1,2676)	1:53:A:GLN:HA	1:53:A:GLN:HB2	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2676)	1:53:A:GLN:HA	1:53:A:GLN:HB2	10	0.19
(1,2676)	1:53:A:GLN:HA	1:53:A:GLN:HB2	11	0.19
(1,2676)	1:53:A:GLN:HA	1:53:A:GLN:HB2	15	0.19
(1,2676)	1:53:A:GLN:HA	1:53:A:GLN:HB2	16	0.19
(1,2676)	1:53:A:GLN:HA	1:53:A:GLN:HB2	21	0.19
(1,2676)	1:53:A:GLN:HA	1:53:A:GLN:HB2	23	0.19
(1,2676)	1:53:A:GLN:HA	1:53:A:GLN:HB2	24	0.19
(1,2676)	1:53:A:GLN:HA	1:53:A:GLN:HB2	34	0.19
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	6	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	1	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	2	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	3	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	4	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	5	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	6	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	7	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	8	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	9	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	10	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	11	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	12	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	13	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	14	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	15	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	16	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	17	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	19	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	20	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	21	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	22	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	23	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	24	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	25	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	26	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	27	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	28	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	29	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	30	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	31	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	32	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	33	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	34	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	35	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	36	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	37	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	38	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	39	0.19
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	40	0.19
(1,2613)	1:74:A:ASP:HB2	1:74:A:ASP:HA	36	0.19
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	22	0.19
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	39	0.19
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	24	0.19
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	25	0.19
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	30	0.19
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	39	0.19
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	5	0.19
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	10	0.19
(1,2534)	1:73:A:PRO:HD3	1:73:A:PRO:HB3	16	0.19
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	11	0.19
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	13	0.19
(1,2460)	1:4:A:PRO:HD3	1:3:A:ASP:HA	37	0.19
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	11	0.19
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	35	0.19
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	3	0.19
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	3	0.19
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	3	0.19
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	20	0.19
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	20	0.19
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	20	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	1	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	3	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	10	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	11	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	12	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	13	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	14	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	15	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	17	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	18	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	19	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	21	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	22	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	23	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	24	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	25	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	26	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	27	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	28	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	29	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	30	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	32	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	35	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	36	0.19
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	39	0.19
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	4	0.19
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	10	0.19
(1,2322)	1:80:A:SER:HB2	1:81:A:VAL:H	16	0.19
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	4	0.19
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	12	0.19
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	14	0.19
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	16	0.19
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	27	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	1	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	2	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	3	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	4	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	5	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	6	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	7	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	8	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	10	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	11	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	13	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	15	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	16	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	17	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	18	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	19	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	20	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	21	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	22	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	23	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	24	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	25	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	26	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	27	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	28	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	29	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	30	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	31	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	32	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	33	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	34	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	35	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	36	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	37	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	38	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	39	0.19
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	40	0.19
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	8	0.19
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	8	0.19
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	18	0.19
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	18	0.19
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	26	0.19
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	26	0.19
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	29	0.19
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	29	0.19
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	36	0.19
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	36	0.19
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	37	0.19
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	37	0.19
(1,2236)	1:18:A:ASN:HB3	1:18:A:ASN:H	12	0.19
(1,2215)	1:56:A:ASN:HA	1:56:A:ASN:HD21	32	0.19
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	1	0.19
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	6	0.19
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	23	0.19
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	30	0.19
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	33	0.19
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	36	0.19
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	11	0.19
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	11	0.19
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	11	0.19
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	14	0.19
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	14	0.19
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	14	0.19
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	23	0.19
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	23	0.19
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	23	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	26	0.19
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	26	0.19
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	26	0.19
(1,2076)	1:97:A:LEU:HD11	1:21:A:VAL:HB	5	0.19
(1,2076)	1:97:A:LEU:HD12	1:21:A:VAL:HB	5	0.19
(1,2076)	1:97:A:LEU:HD13	1:21:A:VAL:HB	5	0.19
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	16	0.19
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	16	0.19
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	16	0.19
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	37	0.19
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	37	0.19
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	37	0.19
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	37	0.19
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	37	0.19
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	37	0.19
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	7	0.19
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	7	0.19
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	7	0.19
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	17	0.19
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	17	0.19
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	17	0.19
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	39	0.19
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	39	0.19
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	39	0.19
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	36	0.19
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	36	0.19
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	36	0.19
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	36	0.19
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	36	0.19
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	36	0.19
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	2	0.19
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	2	0.19
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	40	0.19
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	40	0.19
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	40	0.19
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	1	0.19
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	1	0.19
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	1	0.19
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	14	0.19
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	14	0.19
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	14	0.19
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	34	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	34	0.19
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	34	0.19
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	15	0.19
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	15	0.19
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	15	0.19
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	15	0.19
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	16	0.19
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	16	0.19
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	16	0.19
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	24	0.19
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	24	0.19
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	24	0.19
(1,1861)	1:7:A:ALA:HB1	1:88:A:ARG:HA	2	0.19
(1,1861)	1:7:A:ALA:HB2	1:88:A:ARG:HA	2	0.19
(1,1861)	1:7:A:ALA:HB3	1:88:A:ARG:HA	2	0.19
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	35	0.19
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	35	0.19
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	35	0.19
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	37	0.19
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	37	0.19
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	37	0.19
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	38	0.19
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	38	0.19
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	38	0.19
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	40	0.19
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	40	0.19
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	40	0.19
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	2	0.19
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	13	0.19
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	15	0.19
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	18	0.19
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	2	0.19
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	13	0.19
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	15	0.19
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	18	0.19
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	29	0.19
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	38	0.19
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	9	0.19
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	38	0.19
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	4	0.19
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	6	0.19
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	10	0.19
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	13	0.19
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	17	0.19
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	21	0.19
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	23	0.19
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	24	0.19
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	25	0.19
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	26	0.19
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	28	0.19
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	30	0.19
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	31	0.19
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	35	0.19
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	36	0.19
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	40	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	3	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	3	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	3	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	5	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	5	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	5	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	8	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	8	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	8	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	9	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	9	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	9	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	10	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	10	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	10	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	12	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	12	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	12	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	14	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	14	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	14	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	16	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	16	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	16	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	19	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	19	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	19	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	21	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	21	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	21	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	24	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	24	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	24	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	25	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	25	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	25	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	27	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	27	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	27	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	28	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	28	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	28	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	29	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	29	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	29	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	30	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	30	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	30	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	33	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	33	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	33	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	34	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	34	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	34	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	35	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	35	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	35	0.19
(1,1695)	1:101:A:LEU:HD11	1:101:A:LEU:HA	36	0.19
(1,1695)	1:101:A:LEU:HD12	1:101:A:LEU:HA	36	0.19
(1,1695)	1:101:A:LEU:HD13	1:101:A:LEU:HA	36	0.19
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	29	0.19
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	29	0.19
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	29	0.19
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	17	0.19
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	17	0.19
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	17	0.19
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	17	0.19
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	17	0.19
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	17	0.19
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	17	0.19
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	17	0.19
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	19	0.19
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	19	0.19
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	19	0.19
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	19	0.19
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	19	0.19
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	19	0.19
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	19	0.19
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	19	0.19
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	19	0.19
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	29	0.19
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	29	0.19
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	29	0.19
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	29	0.19
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	29	0.19
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	29	0.19
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	29	0.19
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	29	0.19
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	29	0.19
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	36	0.19
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	36	0.19
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	36	0.19
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	36	0.19
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	36	0.19
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	36	0.19
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	36	0.19
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	36	0.19
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	36	0.19
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	12	0.19
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	12	0.19
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	12	0.19
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	16	0.19
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	16	0.19
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	16	0.19
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	29	0.19
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	29	0.19
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	29	0.19
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	33	0.19
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	33	0.19
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	33	0.19
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	37	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	37	0.19
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	37	0.19
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	16	0.19
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	16	0.19
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	16	0.19
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	24	0.19
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	24	0.19
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	24	0.19
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	27	0.19
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	27	0.19
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	27	0.19
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	34	0.19
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	34	0.19
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	34	0.19
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	38	0.19
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	38	0.19
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	38	0.19
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	39	0.19
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	39	0.19
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	39	0.19
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	11	0.19
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	11	0.19
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	11	0.19
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	35	0.19
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	35	0.19
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	35	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	4	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	4	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	4	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	5	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	5	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	5	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	6	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	6	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	6	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	7	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	7	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	7	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	8	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	8	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	8	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	9	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	9	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	10	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	10	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	10	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	13	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	13	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	13	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	16	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	16	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	16	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	17	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	17	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	17	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	18	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	18	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	18	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	20	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	20	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	20	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	21	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	21	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	21	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	22	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	22	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	22	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	23	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	23	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	23	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	25	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	25	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	25	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	26	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	26	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	26	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	29	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	29	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	29	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	30	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	30	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	30	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	31	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	31	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	31	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	32	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	32	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	32	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	33	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	33	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	33	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	34	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	34	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	34	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	35	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	35	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	35	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	37	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	37	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	37	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	38	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	38	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	38	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	39	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	39	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	39	0.19
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	40	0.19
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	40	0.19
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	40	0.19
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	35	0.19
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	35	0.19
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	35	0.19
(1,1530)	1:2:A:ILE:HG21	1:2:A:ILE:HA	30	0.19
(1,1530)	1:2:A:ILE:HG22	1:2:A:ILE:HA	30	0.19
(1,1530)	1:2:A:ILE:HG23	1:2:A:ILE:HA	30	0.19
(1,1530)	1:2:A:ILE:HG21	1:2:A:ILE:HA	36	0.19
(1,1530)	1:2:A:ILE:HG22	1:2:A:ILE:HA	36	0.19
(1,1530)	1:2:A:ILE:HG23	1:2:A:ILE:HA	36	0.19
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	8	0.19
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	8	0.19
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	8	0.19
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	8	0.19
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	8	0.19
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	8	0.19
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	11	0.19
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	11	0.19
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	11	0.19
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	11	0.19
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	11	0.19
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	26	0.19
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	26	0.19
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	26	0.19
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	26	0.19
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	26	0.19
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	26	0.19
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	34	0.19
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	34	0.19
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	34	0.19
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	34	0.19
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	34	0.19
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	34	0.19
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	8	0.19
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	8	0.19
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	8	0.19
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	11	0.19
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	11	0.19
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	11	0.19
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	12	0.19
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	12	0.19
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	12	0.19
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	19	0.19
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	19	0.19
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	19	0.19
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	21	0.19
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	21	0.19
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	21	0.19
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	22	0.19
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	22	0.19
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	22	0.19
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	28	0.19
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	28	0.19
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	28	0.19
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	5	0.19
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	5	0.19
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	5	0.19
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	12	0.19
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	12	0.19
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	13	0.19
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	13	0.19
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	13	0.19
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	23	0.19
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	23	0.19
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	23	0.19
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	25	0.19
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	25	0.19
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	25	0.19
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	30	0.19
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	30	0.19
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	30	0.19
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	31	0.19
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	31	0.19
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	31	0.19
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	32	0.19
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	32	0.19
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	32	0.19
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	35	0.19
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	35	0.19
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	35	0.19
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	36	0.19
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	36	0.19
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	36	0.19
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	37	0.19
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	37	0.19
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	37	0.19
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	39	0.19
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	39	0.19
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	39	0.19
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	5	0.19
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	5	0.19
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	5	0.19
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	18	0.19
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	18	0.19
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	18	0.19
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	27	0.19
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	27	0.19
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	27	0.19
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	29	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	29	0.19
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	29	0.19
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	31	0.19
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	31	0.19
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	31	0.19
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	36	0.19
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	36	0.19
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	36	0.19
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	37	0.19
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	37	0.19
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	37	0.19
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	2	0.19
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	2	0.19
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	2	0.19
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	3	0.19
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	3	0.19
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	3	0.19
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	5	0.19
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	5	0.19
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	5	0.19
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	6	0.19
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	6	0.19
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	6	0.19
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	11	0.19
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	11	0.19
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	11	0.19
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	13	0.19
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	13	0.19
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	13	0.19
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	27	0.19
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	27	0.19
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	27	0.19
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	32	0.19
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	32	0.19
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	32	0.19
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	37	0.19
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	37	0.19
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	37	0.19
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	9	0.19
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	9	0.19
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	9	0.19
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	15	0.19
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	15	0.19
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	33	0.19
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	33	0.19
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	33	0.19
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	35	0.19
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	35	0.19
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	35	0.19
(1,1451)	1:71:A:VAL:HG11	1:71:A:VAL:H	9	0.19
(1,1451)	1:71:A:VAL:HG12	1:71:A:VAL:H	9	0.19
(1,1451)	1:71:A:VAL:HG13	1:71:A:VAL:H	9	0.19
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	2	0.19
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	2	0.19
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	2	0.19
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	4	0.19
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	4	0.19
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	4	0.19
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	6	0.19
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	6	0.19
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	6	0.19
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	20	0.19
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	20	0.19
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	20	0.19
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	29	0.19
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	29	0.19
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	29	0.19
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	7	0.19
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	7	0.19
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	7	0.19
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	11	0.19
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	11	0.19
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	11	0.19
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	21	0.19
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	21	0.19
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	21	0.19
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	24	0.19
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	24	0.19
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	24	0.19
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	13	0.19
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	13	0.19
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	13	0.19
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	28	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	28	0.19
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	28	0.19
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	27	0.19
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	36	0.19
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	37	0.19
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	2	0.19
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	2	0.19
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	2	0.19
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	4	0.19
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	4	0.19
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	4	0.19
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	6	0.19
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	6	0.19
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	6	0.19
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	10	0.19
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	10	0.19
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	10	0.19
(1,1367)	1:16:A:ILE:HG21	1:17:A:GLN:H	16	0.19
(1,1367)	1:16:A:ILE:HG22	1:17:A:GLN:H	16	0.19
(1,1367)	1:16:A:ILE:HG23	1:17:A:GLN:H	16	0.19
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	13	0.19
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	13	0.19
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	13	0.19
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	15	0.19
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	15	0.19
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	15	0.19
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	22	0.19
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	22	0.19
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	22	0.19
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	28	0.19
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	28	0.19
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	28	0.19
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	29	0.19
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	29	0.19
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	29	0.19
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	31	0.19
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	31	0.19
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	31	0.19
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	32	0.19
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	32	0.19
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	32	0.19
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	6	0.19
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	6	0.19
(1,1301)	1:19:A:ILE:HD11	1:19:A:ILE:HA	16	0.19
(1,1301)	1:19:A:ILE:HD12	1:19:A:ILE:HA	16	0.19
(1,1301)	1:19:A:ILE:HD13	1:19:A:ILE:HA	16	0.19
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	2	0.19
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	2	0.19
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	2	0.19
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	7	0.19
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	7	0.19
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	7	0.19
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	2	0.19
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	2	0.19
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	2	0.19
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	7	0.19
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	7	0.19
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	7	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	1	0.19
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	1	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	1	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	2	0.19
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	2	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	2	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	7	0.19
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	7	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	7	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	10	0.19
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	10	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	10	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	14	0.19
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	14	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	14	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	15	0.19
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	15	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	15	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	18	0.19
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	18	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	18	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	21	0.19
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	21	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	21	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	22	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	22	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	22	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	23	0.19
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	23	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	23	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	24	0.19
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	24	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	24	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	26	0.19
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	26	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	26	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	30	0.19
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	30	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	30	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	36	0.19
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	36	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	36	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	37	0.19
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	37	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	37	0.19
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	39	0.19
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	39	0.19
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	39	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	1	0.19
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	1	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	1	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	2	0.19
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	2	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	2	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	7	0.19
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	7	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	7	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	10	0.19
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	10	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	10	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	14	0.19
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	14	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	14	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	15	0.19
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	15	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	15	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	18	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	18	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	21	0.19
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	21	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	21	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	22	0.19
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	22	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	22	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	23	0.19
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	23	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	23	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	24	0.19
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	24	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	24	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	26	0.19
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	26	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	26	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	30	0.19
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	30	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	30	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	36	0.19
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	36	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	36	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	37	0.19
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	37	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	37	0.19
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	39	0.19
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	39	0.19
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	39	0.19
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	7	0.19
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	7	0.19
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	7	0.19
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	21	0.19
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	21	0.19
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	21	0.19
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	24	0.19
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	24	0.19
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	24	0.19
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	29	0.19
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	29	0.19
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	29	0.19
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	32	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	32	0.19
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	32	0.19
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	33	0.19
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	33	0.19
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	33	0.19
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	39	0.19
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	39	0.19
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	39	0.19
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	10	0.19
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	15	0.19
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	17	0.19
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	24	0.19
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	40	0.19
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG11	34	0.19
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG12	34	0.19
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG13	34	0.19
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	1	0.19
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	5	0.19
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	17	0.19
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	22	0.19
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	31	0.19
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	34	0.19
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	36	0.19
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	6	0.19
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	12	0.19
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	27	0.19
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	11	0.19
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	11	0.19
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	17	0.19
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	17	0.19
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	19	0.19
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	19	0.19
(1,1149)	1:54:A:LYS:H	1:53:A:GLN:HG3	7	0.19
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	3	0.19
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	10	0.19
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	12	0.19
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	15	0.19
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	17	0.19
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	18	0.19
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	20	0.19
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	23	0.19
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	25	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	28	0.19
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	30	0.19
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	36	0.19
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	37	0.19
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	7	0.19
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	8	0.19
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	13	0.19
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	17	0.19
(1,1002)	1:5:A:PHE:H	1:4:A:PRO:HA	16	0.19
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	40	0.19
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	1	0.19
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	29	0.19
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	33	0.19
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	37	0.19
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	22	0.19
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	39	0.19
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	15	0.19
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	27	0.19
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	23	0.19
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	24	0.19
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	26	0.19
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	27	0.19
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	31	0.19
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	34	0.19
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	38	0.19
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	39	0.19
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	40	0.19
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	3	0.19
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	17	0.19
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	31	0.19
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	34	0.19
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	40	0.19
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	6	0.19
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	13	0.19
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	27	0.19
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	16	0.19
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	16	0.19
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	16	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	1	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	1	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	1	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	6	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	6	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	31	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	31	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	31	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	33	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	33	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	33	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	34	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	34	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	34	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	36	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	36	0.19
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	36	0.19
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	5	0.19
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	7	0.19
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	11	0.19
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	13	0.19
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	18	0.19
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	20	0.19
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	23	0.19
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	25	0.19
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	32	0.19
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	37	0.19
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	7	0.19
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	17	0.19
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	26	0.19
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	27	0.19
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	32	0.19
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	36	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	2	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	4	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	8	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	10	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	12	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	13	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	14	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	15	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	16	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	19	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	23	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	24	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	26	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	29	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	30	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	36	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	38	0.19
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	39	0.19
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	3	0.19
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	5	0.19
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	25	0.19
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	34	0.19
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	35	0.19
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	2	0.19
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	3	0.19
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	8	0.19
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	9	0.19
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	11	0.19
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	25	0.19
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	30	0.19
(1,669)	1:72:A:THR:H	1:72:A:THR:HG21	18	0.19
(1,669)	1:72:A:THR:H	1:72:A:THR:HG22	18	0.19
(1,669)	1:72:A:THR:H	1:72:A:THR:HG23	18	0.19
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	13	0.19
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	27	0.19
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	31	0.19
(1,590)	1:3:A:ASP:H	1:2:A:ILE:HA	8	0.19
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	6	0.19
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	1	0.19
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	1	0.19
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	20	0.19
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	20	0.19
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	3	0.19
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	9	0.19
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	14	0.19
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	20	0.19
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	21	0.19
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	22	0.19
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	23	0.19
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	25	0.19
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	30	0.19
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	34	0.19
(1,556)	1:47:A:THR:H	1:48:A:GLU:H	40	0.19
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	23	0.19
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	16	0.19
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	21	0.19
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	25	0.19
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	27	0.19
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	18	0.19
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	7	0.19
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	19	0.19
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	1	0.19
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	3	0.19
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	8	0.19
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	10	0.19
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	12	0.19
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	27	0.19
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	28	0.19
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	28	0.19
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	39	0.19
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	26	0.19
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	7	0.19
(1,423)	1:69:A:HIS:H	1:69:A:HIS:HD2	27	0.19
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	13	0.19
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	19	0.19
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	27	0.19
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	35	0.19
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	37	0.19
(1,366)	1:18:A:ASN:H	1:18:A:ASN:HB3	12	0.19
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	6	0.19
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	14	0.19
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	24	0.19
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	2	0.19
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	12	0.19
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	19	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	1	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	1	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	1	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	2	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	2	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	2	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	7	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	7	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	7	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	10	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	10	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	14	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	14	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	14	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	15	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	15	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	15	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	18	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	18	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	18	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	21	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	21	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	21	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	22	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	22	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	22	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	23	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	23	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	23	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	24	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	24	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	24	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	26	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	26	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	26	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	30	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	30	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	30	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	36	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	36	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	36	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	37	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	37	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	37	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	39	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	39	0.19
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	39	0.19
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	13	0.19
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	23	0.19
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	29	0.19
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD1	31	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:10:A:ILE:H	1:35:A:PHE:HD2	31	0.19
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	3	0.19
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	10	0.19
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	12	0.19
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	15	0.19
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	17	0.19
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	18	0.19
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	20	0.19
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	23	0.19
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	25	0.19
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	28	0.19
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	30	0.19
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	36	0.19
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	37	0.19
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	1	0.19
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	3	0.19
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	15	0.19
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	18	0.19
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	20	0.19
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	23	0.19
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	25	0.19
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	27	0.19
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	28	0.19
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	29	0.19
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	30	0.19
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	31	0.19
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	33	0.19
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	4	0.19
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	12	0.19
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	19	0.19
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	20	0.19
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	31	0.19
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	32	0.19
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	35	0.19
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	38	0.19
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	10	0.19
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	10	0.19
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	10	0.19
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	19	0.19
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	19	0.19
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	19	0.19
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG21	37	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG22	37	0.19
(1,72)	1:51:A:GLU:H	1:50:A:THR:HG23	37	0.19
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	9	0.19
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	38	0.19
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	31	0.19
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	3	0.19
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	8	0.19
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	15	0.19
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	24	0.19
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	27	0.19
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	28	0.19
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	30	0.19
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	31	0.19
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	7	0.18
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	7	0.18
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	14	0.18
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	14	0.18
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	34	0.18
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	34	0.18
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	12	0.18
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	12	0.18
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	12	0.18
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	12	0.18
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	12	0.18
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	12	0.18
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	16	0.18
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	16	0.18
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	16	0.18
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	16	0.18
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	16	0.18
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	16	0.18
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	24	0.18
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	24	0.18
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	24	0.18
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	24	0.18
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	24	0.18
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	24	0.18
(3,3205)	1:43:A:TYR:HD1	1:80:A:SER:HB2	34	0.18
(3,3205)	1:43:A:TYR:HD2	1:80:A:SER:HB2	34	0.18
(3,3205)	1:43:A:TYR:HD1	1:80:A:SER:HB2	37	0.18
(3,3205)	1:43:A:TYR:HD2	1:80:A:SER:HB2	37	0.18
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	6	0.18
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	6	0.18
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	6	0.18
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	12	0.18
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	12	0.18
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	12	0.18
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	12	0.18
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	3	0.18
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	12	0.18
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	23	0.18
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	27	0.18
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	28	0.18
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	9	0.18
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	9	0.18
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	15	0.18
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	15	0.18
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	29	0.18
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	29	0.18
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	39	0.18
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	39	0.18
(3,3138)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	20	0.18
(3,3138)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	20	0.18
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	22	0.18
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	22	0.18
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	25	0.18
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	25	0.18
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	31	0.18
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	31	0.18
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	32	0.18
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	32	0.18
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	5	0.18
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	5	0.18
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	10	0.18
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	10	0.18
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	21	0.18
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	21	0.18
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	24	0.18
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	24	0.18
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	31	0.18
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	31	0.18
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	34	0.18
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	34	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	5	0.18
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	5	0.18
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	10	0.18
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	10	0.18
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	21	0.18
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	21	0.18
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	24	0.18
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	24	0.18
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	31	0.18
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	31	0.18
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	34	0.18
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	34	0.18
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	1	0.18
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	1	0.18
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	1	0.18
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	1	0.18
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	1	0.18
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	1	0.18
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	36	0.18
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	36	0.18
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	36	0.18
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	36	0.18
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	36	0.18
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	36	0.18
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	6	0.18
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	6	0.18
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	6	0.18
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	6	0.18
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	6	0.18
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	6	0.18
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	17	0.18
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	17	0.18
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	17	0.18
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	17	0.18
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	17	0.18
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	17	0.18
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	28	0.18
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	28	0.18
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	28	0.18
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	28	0.18
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	28	0.18
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	28	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	7	0.18
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	8	0.18
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	12	0.18
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	16	0.18
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	18	0.18
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	20	0.18
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	3	0.18
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	3	0.18
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	3	0.18
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	17	0.18
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	17	0.18
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	17	0.18
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	5	0.18
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	5	0.18
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	8	0.18
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	8	0.18
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	5	0.18
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	7	0.18
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	8	0.18
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	11	0.18
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	19	0.18
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	26	0.18
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	32	0.18
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	36	0.18
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	40	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	7	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	7	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	7	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	10	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	10	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	10	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	16	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	16	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	16	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	21	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	21	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	21	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	25	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	25	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	25	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	28	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	28	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	28	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	31	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	31	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	31	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	32	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	32	0.18
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	32	0.18
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	13	0.18
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	19	0.18
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	1	0.18
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	18	0.18
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	39	0.18
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	15	0.18
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	3	0.18
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	5	0.18
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	6	0.18
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	7	0.18
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	8	0.18
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	14	0.18
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	15	0.18
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	16	0.18
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	17	0.18
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	19	0.18
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	24	0.18
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	26	0.18
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	35	0.18
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	37	0.18
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	40	0.18
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	3	0.18
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	5	0.18
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	6	0.18
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	7	0.18
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	8	0.18
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	14	0.18
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	15	0.18
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	16	0.18
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	17	0.18
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	19	0.18
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	24	0.18
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	26	0.18
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	35	0.18
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	37	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	40	0.18
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	17	0.18
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	26	0.18
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	2	0.18
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	22	0.18
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	26	0.18
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	29	0.18
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	2	0.18
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	1	0.18
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	2	0.18
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	4	0.18
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	5	0.18
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	8	0.18
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	9	0.18
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	14	0.18
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	17	0.18
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	18	0.18
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	19	0.18
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	20	0.18
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	23	0.18
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	27	0.18
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	35	0.18
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	37	0.18
(3,2689)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	38	0.18
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	26	0.18
(3,2635)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	18	0.18
(3,2619)	1:74:A:ASP:HB3	1:74:A:ASP:H	36	0.18
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	24	0.18
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	38	0.18
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	17	0.18
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	21	0.18
(3,2541)	1:73:A:PRO:HG3	1:73:A:PRO:HA	31	0.18
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	1	0.18
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	2	0.18
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	3	0.18
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	4	0.18
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	5	0.18
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	6	0.18
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	8	0.18
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	15	0.18
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	18	0.18
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2463)	1:4:A:PRO:HD3	1:3:A:ASP:HA	6	0.18
(3,2463)	1:4:A:PRO:HD3	1:3:A:ASP:HA	22	0.18
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	1	0.18
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	13	0.18
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	8	0.18
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	28	0.18
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	23	0.18
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	23	0.18
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	23	0.18
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	25	0.18
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	25	0.18
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	25	0.18
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	27	0.18
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	27	0.18
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	27	0.18
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	2	0.18
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	4	0.18
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	8	0.18
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	16	0.18
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	20	0.18
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	31	0.18
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	33	0.18
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	37	0.18
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	38	0.18
(3,2351)	1:21:A:VAL:HB	1:21:A:VAL:HA	40	0.18
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	18	0.18
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	19	0.18
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	26	0.18
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	28	0.18
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	9	0.18
(3,2281)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	14	0.18
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	9	0.18
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	9	0.18
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	10	0.18
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	10	0.18
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	11	0.18
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	11	0.18
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	23	0.18
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	23	0.18
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	11	0.18
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	12	0.18
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	22	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	24	0.18
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	38	0.18
(3,2102)	1:40:A:VAL:HG21	1:83:A:ALA:HA	26	0.18
(3,2102)	1:40:A:VAL:HG22	1:83:A:ALA:HA	26	0.18
(3,2102)	1:40:A:VAL:HG23	1:83:A:ALA:HA	26	0.18
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	1	0.18
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	1	0.18
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	1	0.18
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	8	0.18
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	8	0.18
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	8	0.18
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	12	0.18
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	12	0.18
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	12	0.18
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	17	0.18
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	17	0.18
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	17	0.18
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	32	0.18
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	32	0.18
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	32	0.18
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	35	0.18
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	35	0.18
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	35	0.18
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	35	0.18
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	35	0.18
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	35	0.18
(3,2075)	1:97:A:LEU:HB2	1:19:A:ILE:HB	5	0.18
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	4	0.18
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	4	0.18
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	4	0.18
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	4	0.18
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	4	0.18
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	4	0.18
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	4	0.18
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	4	0.18
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	4	0.18
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	15	0.18
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	15	0.18
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	15	0.18
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	15	0.18
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	15	0.18
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	15	0.18
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	15	0.18
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	15	0.18
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	2	0.18
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	2	0.18
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	2	0.18
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	11	0.18
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	11	0.18
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	11	0.18
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	23	0.18
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	23	0.18
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	23	0.18
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	24	0.18
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	24	0.18
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	24	0.18
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	31	0.18
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	27	0.18
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	27	0.18
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	27	0.18
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	3	0.18
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	4	0.18
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	27	0.18
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	34	0.18
(3,1907)	1:66:A:MET:HE1	1:43:A:TYR:H	33	0.18
(3,1907)	1:66:A:MET:HE2	1:43:A:TYR:H	33	0.18
(3,1907)	1:66:A:MET:HE3	1:43:A:TYR:H	33	0.18
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	25	0.18
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	25	0.18
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	25	0.18
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	29	0.18
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	29	0.18
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	29	0.18
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	30	0.18
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	30	0.18
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	30	0.18
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	31	0.18
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	31	0.18
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	31	0.18
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	32	0.18
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	32	0.18
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	32	0.18
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	27	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1828)	1:98:A:LYS:HD3	1:98:A:LYS:HA	29	0.18
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	27	0.18
(3,1815)	1:98:A:LYS:HD3	1:98:A:LYS:HA	29	0.18
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	3	0.18
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	5	0.18
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	6	0.18
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	7	0.18
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	8	0.18
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	14	0.18
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	15	0.18
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	16	0.18
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	17	0.18
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	19	0.18
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	24	0.18
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	26	0.18
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	35	0.18
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	37	0.18
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	40	0.18
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	22	0.18
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	23	0.18
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	24	0.18
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	28	0.18
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	32	0.18
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	34	0.18
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	35	0.18
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	2	0.18
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	11	0.18
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	17	0.18
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	18	0.18
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	21	0.18
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	22	0.18
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	24	0.18
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	27	0.18
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	30	0.18
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	39	0.18
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	1	0.18
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	3	0.18
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	8	0.18
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	14	0.18
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	22	0.18
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	27	0.18
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	32	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	33	0.18
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	38	0.18
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	11	0.18
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	11	0.18
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	11	0.18
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	11	0.18
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	11	0.18
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	11	0.18
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	11	0.18
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	11	0.18
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	11	0.18
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	22	0.18
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	22	0.18
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	22	0.18
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	22	0.18
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	22	0.18
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	22	0.18
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	22	0.18
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	22	0.18
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	22	0.18
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	25	0.18
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	25	0.18
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	25	0.18
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	25	0.18
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	25	0.18
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	25	0.18
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	25	0.18
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	25	0.18
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	25	0.18
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	34	0.18
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	34	0.18
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	34	0.18
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	34	0.18
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	34	0.18
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	34	0.18
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	34	0.18
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	34	0.18
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	34	0.18
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	39	0.18
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	39	0.18
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	39	0.18
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	39	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	39	0.18
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	39	0.18
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	39	0.18
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	39	0.18
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	39	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	10	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	10	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	10	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	10	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	10	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	10	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	10	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	10	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	10	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	22	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	22	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	22	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	22	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	22	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	22	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	22	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	22	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	22	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	23	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	23	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	23	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	23	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	23	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	23	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	23	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	23	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	23	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	25	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	25	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	25	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	25	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	25	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	25	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	25	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	25	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	25	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	30	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	30	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	30	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	30	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	30	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	30	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	30	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	30	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	30	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	34	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	34	0.18
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	34	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	34	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	34	0.18
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	34	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	34	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	34	0.18
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	34	0.18
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	38	0.18
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	38	0.18
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	38	0.18
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	1	0.18
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	1	0.18
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	1	0.18
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	3	0.18
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	3	0.18
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	3	0.18
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	4	0.18
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	4	0.18
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	4	0.18
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	5	0.18
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	5	0.18
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	5	0.18
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	6	0.18
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	6	0.18
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	6	0.18
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	7	0.18
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	7	0.18
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	7	0.18
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	9	0.18
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	9	0.18
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	9	0.18
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	10	0.18
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	10	0.18
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	26	0.18
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	26	0.18
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	26	0.18
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	28	0.18
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	28	0.18
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	28	0.18
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	31	0.18
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	31	0.18
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	31	0.18
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	35	0.18
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	35	0.18
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	35	0.18
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	36	0.18
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	36	0.18
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	36	0.18
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	38	0.18
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	38	0.18
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	38	0.18
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	5	0.18
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	5	0.18
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	5	0.18
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	8	0.18
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	8	0.18
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	8	0.18
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	18	0.18
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	18	0.18
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	18	0.18
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	40	0.18
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	40	0.18
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	40	0.18
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	1	0.18
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	1	0.18
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	1	0.18
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	1	0.18
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	1	0.18
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	1	0.18
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	16	0.18
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	16	0.18
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	16	0.18
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	16	0.18
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	16	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	3	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	3	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	3	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	8	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	8	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	8	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	22	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	22	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	22	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	26	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	26	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	26	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	31	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	31	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	31	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	36	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	36	0.18
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	36	0.18
(3,1582)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	3	0.18
(3,1582)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	3	0.18
(3,1582)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	3	0.18
(3,1547)	1:2:A:ILE:HG12	1:2:A:ILE:HA	23	0.18
(3,1534)	1:2:A:ILE:HG21	1:2:A:ILE:HA	10	0.18
(3,1534)	1:2:A:ILE:HG22	1:2:A:ILE:HA	10	0.18
(3,1534)	1:2:A:ILE:HG23	1:2:A:ILE:HA	10	0.18
(3,1534)	1:2:A:ILE:HG21	1:2:A:ILE:HA	14	0.18
(3,1534)	1:2:A:ILE:HG22	1:2:A:ILE:HA	14	0.18
(3,1534)	1:2:A:ILE:HG23	1:2:A:ILE:HA	14	0.18
(3,1534)	1:2:A:ILE:HG21	1:2:A:ILE:HA	17	0.18
(3,1534)	1:2:A:ILE:HG22	1:2:A:ILE:HA	17	0.18
(3,1534)	1:2:A:ILE:HG23	1:2:A:ILE:HA	17	0.18
(3,1534)	1:2:A:ILE:HG21	1:2:A:ILE:HA	23	0.18
(3,1534)	1:2:A:ILE:HG22	1:2:A:ILE:HA	23	0.18
(3,1534)	1:2:A:ILE:HG23	1:2:A:ILE:HA	23	0.18
(3,1534)	1:2:A:ILE:HG21	1:2:A:ILE:HA	37	0.18
(3,1534)	1:2:A:ILE:HG22	1:2:A:ILE:HA	37	0.18
(3,1534)	1:2:A:ILE:HG23	1:2:A:ILE:HA	37	0.18
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	3	0.18
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	3	0.18
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	3	0.18
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	3	0.18
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	3	0.18
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	14	0.18
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	14	0.18
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	14	0.18
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	14	0.18
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	14	0.18
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	14	0.18
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	11	0.18
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	11	0.18
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	11	0.18
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	2	0.18
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	2	0.18
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	2	0.18
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	5	0.18
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	5	0.18
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	5	0.18
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	38	0.18
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	38	0.18
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	38	0.18
(3,1479)	1:78:A:VAL:HG11	1:94:A:THR:HA	28	0.18
(3,1479)	1:78:A:VAL:HG12	1:94:A:THR:HA	28	0.18
(3,1479)	1:78:A:VAL:HG13	1:94:A:THR:HA	28	0.18
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	1	0.18
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	1	0.18
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	1	0.18
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	2	0.18
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	2	0.18
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	2	0.18
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	3	0.18
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	3	0.18
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	3	0.18
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	22	0.18
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	22	0.18
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	22	0.18
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	27	0.18
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	27	0.18
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	27	0.18
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	38	0.18
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	38	0.18
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	38	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	2	0.18
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	2	0.18
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	2	0.18
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	14	0.18
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	14	0.18
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	14	0.18
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	20	0.18
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	20	0.18
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	20	0.18
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	35	0.18
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	35	0.18
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	35	0.18
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	4	0.18
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	4	0.18
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	4	0.18
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	20	0.18
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	20	0.18
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	20	0.18
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	24	0.18
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	24	0.18
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	24	0.18
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	28	0.18
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	28	0.18
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	28	0.18
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	33	0.18
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	33	0.18
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	33	0.18
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	34	0.18
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	34	0.18
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	34	0.18
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	8	0.18
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	8	0.18
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	8	0.18
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	12	0.18
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	12	0.18
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	12	0.18
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	13	0.18
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	13	0.18
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	13	0.18
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	24	0.18
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	24	0.18
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	24	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	31	0.18
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	31	0.18
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	31	0.18
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	38	0.18
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	38	0.18
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	38	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	7	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	7	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	7	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	11	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	11	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	11	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	14	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	14	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	14	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	16	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	16	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	16	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	18	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	18	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	18	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	19	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	19	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	19	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	21	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	21	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	21	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	22	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	22	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	22	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	24	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	24	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	24	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	25	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	25	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	25	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	26	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	26	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	26	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	27	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	27	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	27	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	30	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	30	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	30	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	31	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	31	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	31	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	33	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	33	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	33	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	35	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	35	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	35	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	36	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	36	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	36	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	37	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	37	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	37	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	38	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	38	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	38	0.18
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	40	0.18
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	40	0.18
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	40	0.18
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	6	0.18
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	6	0.18
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	6	0.18
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	37	0.18
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	37	0.18
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	37	0.18
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	2	0.18
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	2	0.18
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	2	0.18
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	15	0.18
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	15	0.18
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	15	0.18
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	22	0.18
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	22	0.18
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	22	0.18
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	20	0.18
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	20	0.18
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	38	0.18
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	38	0.18
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	38	0.18
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	8	0.18
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	23	0.18
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	25	0.18
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	9	0.18
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	9	0.18
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	9	0.18
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	13	0.18
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	13	0.18
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	13	0.18
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	13	0.18
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	13	0.18
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	13	0.18
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	13	0.18
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	13	0.18
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	13	0.18
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	20	0.18
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	20	0.18
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	20	0.18
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	20	0.18
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	20	0.18
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	20	0.18
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	20	0.18
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	20	0.18
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	20	0.18
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	4	0.18
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	4	0.18
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	4	0.18
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	5	0.18
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	5	0.18
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	5	0.18
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	11	0.18
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	11	0.18
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	11	0.18
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	13	0.18
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	13	0.18
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	13	0.18
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	31	0.18
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	31	0.18
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	31	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	4	0.18
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	4	0.18
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	4	0.18
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	5	0.18
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	5	0.18
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	5	0.18
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	11	0.18
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	11	0.18
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	11	0.18
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	13	0.18
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	13	0.18
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	13	0.18
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	31	0.18
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	31	0.18
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	31	0.18
(3,1261)	1:67:A:THR:HG21	1:26:A:SER:HB2	6	0.18
(3,1261)	1:67:A:THR:HG22	1:26:A:SER:HB2	6	0.18
(3,1261)	1:67:A:THR:HG23	1:26:A:SER:HB2	6	0.18
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	3	0.18
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	3	0.18
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	3	0.18
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	13	0.18
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	13	0.18
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	13	0.18
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	18	0.18
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	18	0.18
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	18	0.18
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	5	0.18
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	5	0.18
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	5	0.18
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	31	0.18
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	31	0.18
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	31	0.18
(3,1240)	1:13:A:THR:HG21	1:34:A:SER:HB3	28	0.18
(3,1240)	1:13:A:THR:HG22	1:34:A:SER:HB3	28	0.18
(3,1240)	1:13:A:THR:HG23	1:34:A:SER:HB3	28	0.18
(3,1217)	1:66:A:MET:H	1:28:A:THR:HA	10	0.18
(3,1217)	1:66:A:MET:H	1:28:A:THR:HA	26	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	1	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	1	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	1	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	2	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	2	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	12	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	12	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	12	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	13	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	13	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	13	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	26	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	26	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	26	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	28	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	28	0.18
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	28	0.18
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	2	0.18
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	6	0.18
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	13	0.18
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	33	0.18
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	34	0.18
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	23	0.18
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	27	0.18
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	32	0.18
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	37	0.18
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	29	0.18
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	12	0.18
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	12	0.18
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	24	0.18
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	24	0.18
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	29	0.18
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	29	0.18
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	35	0.18
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	35	0.18
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	5	0.18
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	7	0.18
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	11	0.18
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	13	0.18
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	26	0.18
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	27	0.18
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	1	0.18
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	2	0.18
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	4	0.18
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	16	0.18
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	20	0.18
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	37	0.18
(3,963)	1:102:A:ARG:H	1:101:A:LEU:HB2	23	0.18
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	28	0.18
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	3	0.18
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	7	0.18
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	10	0.18
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	12	0.18
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	16	0.18
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	22	0.18
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	23	0.18
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	26	0.18
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	28	0.18
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	31	0.18
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	32	0.18
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	36	0.18
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	40	0.18
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	24	0.18
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	38	0.18
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	18	0.18
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	34	0.18
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	1	0.18
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	3	0.18
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	4	0.18
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	14	0.18
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	17	0.18
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	19	0.18
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	33	0.18
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	22	0.18
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	27	0.18
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	35	0.18
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	38	0.18
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	1	0.18
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	3	0.18
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	15	0.18
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	18	0.18
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	24	0.18
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	38	0.18
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	37	0.18
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	37	0.18
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	37	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	7	0.18
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	4	0.18
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	4	0.18
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	4	0.18
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	13	0.18
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	13	0.18
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	13	0.18
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	35	0.18
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	35	0.18
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	35	0.18
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	8	0.18
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	1	0.18
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	6	0.18
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	8	0.18
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	14	0.18
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	39	0.18
(3,786)	1:6:A:THR:H	1:6:A:THR:HG21	6	0.18
(3,786)	1:6:A:THR:H	1:6:A:THR:HG22	6	0.18
(3,786)	1:6:A:THR:H	1:6:A:THR:HG23	6	0.18
(3,783)	1:74:A:ASP:H	1:74:A:ASP:HB3	36	0.18
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	1	0.18
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	6	0.18
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	23	0.18
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	3	0.18
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	20	0.18
(3,737)	1:15:A:ARG:H	1:14:A:LYS:HA	40	0.18
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	20	0.18
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	9	0.18
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	12	0.18
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	27	0.18
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	28	0.18
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	38	0.18
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	22	0.18
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	33	0.18
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	34	0.18
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	35	0.18
(3,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	37	0.18
(3,684)	1:23:A:GLU:H	1:23:A:GLU:HB3	24	0.18
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	2	0.18
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	22	0.18
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	9	0.18
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	9	0.18
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	18	0.18
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	26	0.18
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	30	0.18
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	38	0.18
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	2	0.18
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	5	0.18
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	9	0.18
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	11	0.18
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	24	0.18
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	25	0.18
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	30	0.18
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	1	0.18
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	7	0.18
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	12	0.18
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	17	0.18
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	29	0.18
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	30	0.18
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	37	0.18
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	9	0.18
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	9	0.18
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	11	0.18
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	11	0.18
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	14	0.18
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	14	0.18
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	15	0.18
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	15	0.18
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	39	0.18
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	39	0.18
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	3	0.18
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	26	0.18
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	34	0.18
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	1	0.18
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	2	0.18
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	5	0.18
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	8	0.18
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	20	0.18
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	21	0.18
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	24	0.18
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	27	0.18
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	28	0.18
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	31	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	9	0.18
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	15	0.18
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	21	0.18
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	8	0.18
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	11	0.18
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	13	0.18
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	21	0.18
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	23	0.18
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	25	0.18
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	26	0.18
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	30	0.18
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	35	0.18
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	36	0.18
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	3	0.18
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	8	0.18
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	14	0.18
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	20	0.18
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	35	0.18
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	37	0.18
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	3	0.18
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	22	0.18
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	23	0.18
(3,410)	1:96:A:GLU:H	1:18:A:ASN:HD21	29	0.18
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	8	0.18
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	17	0.18
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	24	0.18
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	29	0.18
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	30	0.18
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	32	0.18
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	33	0.18
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	40	0.18
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	27	0.18
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	27	0.18
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	27	0.18
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	18	0.18
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	29	0.18
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	31	0.18
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	7	0.18
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	15	0.18
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	24	0.18
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	29	0.18
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	33	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	39	0.18
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	40	0.18
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	4	0.18
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	4	0.18
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	4	0.18
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	5	0.18
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	5	0.18
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	5	0.18
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	11	0.18
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	11	0.18
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	11	0.18
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	13	0.18
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	13	0.18
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	13	0.18
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	31	0.18
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	31	0.18
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	31	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	2	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	3	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	5	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	6	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	8	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	10	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	12	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	14	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	16	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	19	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	21	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	22	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	24	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	27	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	28	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	31	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	33	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	35	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	36	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	38	0.18
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	39	0.18
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	1	0.18
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	37	0.18
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	5	0.18
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	11	0.18
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	13	0.18
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	26	0.18
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	27	0.18
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	6	0.18
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	9	0.18
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	21	0.18
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	39	0.18
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	2	0.18
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	11	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	1	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	2	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	10	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	13	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	17	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	18	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	21	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	22	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	23	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	25	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	26	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	27	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	28	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	30	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	33	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	36	0.18
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	40	0.18
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	2	0.18
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	11	0.18
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	17	0.18
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	18	0.18
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	21	0.18
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	22	0.18
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	24	0.18
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	27	0.18
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	30	0.18
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	39	0.18
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	1	0.18
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	3	0.18
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	8	0.18
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	15	0.18
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	27	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	2	0.18
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	5	0.18
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	9	0.18
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	11	0.18
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	13	0.18
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	21	0.18
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	23	0.18
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	29	0.18
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	32	0.18
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	33	0.18
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	37	0.18
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	38	0.18
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	39	0.18
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	23	0.18
(3,22)	1:89:A:GLY:H	1:85:A:LEU:H	29	0.18
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	7	0.18
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	7	0.18
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	14	0.18
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	14	0.18
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	34	0.18
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	34	0.18
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	12	0.18
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	12	0.18
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	12	0.18
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	12	0.18
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	12	0.18
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	12	0.18
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	16	0.18
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	16	0.18
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	16	0.18
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	16	0.18
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	16	0.18
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	16	0.18
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	24	0.18
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	24	0.18
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	24	0.18
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	24	0.18
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	24	0.18
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	24	0.18
(1,3199)	1:43:A:TYR:HD1	1:80:A:SER:HB2	34	0.18
(1,3199)	1:43:A:TYR:HD2	1:80:A:SER:HB2	34	0.18
(1,3199)	1:43:A:TYR:HD1	1:80:A:SER:HB2	37	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3199)	1:43:A:TYR:HD2	1:80:A:SER:HB2	37	0.18
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	6	0.18
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	6	0.18
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	6	0.18
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	6	0.18
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	12	0.18
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	12	0.18
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	12	0.18
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	12	0.18
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	3	0.18
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	12	0.18
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	23	0.18
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	27	0.18
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	28	0.18
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	9	0.18
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	9	0.18
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	15	0.18
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	15	0.18
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	29	0.18
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	29	0.18
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	39	0.18
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	39	0.18
(1,3132)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	20	0.18
(1,3132)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	20	0.18
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	22	0.18
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	22	0.18
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	25	0.18
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	25	0.18
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	31	0.18
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	31	0.18
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	32	0.18
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	32	0.18
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	5	0.18
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	5	0.18
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	10	0.18
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	10	0.18
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	21	0.18
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	21	0.18
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	24	0.18
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	24	0.18
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	31	0.18
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	31	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	34	0.18
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	34	0.18
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	5	0.18
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	5	0.18
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	10	0.18
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	10	0.18
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	21	0.18
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	21	0.18
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	24	0.18
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	24	0.18
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	31	0.18
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	31	0.18
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	34	0.18
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	34	0.18
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	1	0.18
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	1	0.18
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	1	0.18
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	1	0.18
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	1	0.18
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	1	0.18
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	36	0.18
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	36	0.18
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	36	0.18
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	36	0.18
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	36	0.18
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	36	0.18
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	6	0.18
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	6	0.18
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	6	0.18
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	6	0.18
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	6	0.18
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	6	0.18
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	17	0.18
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	17	0.18
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	17	0.18
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	17	0.18
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	17	0.18
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	17	0.18
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	28	0.18
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	28	0.18
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	28	0.18
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	28	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	28	0.18
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	28	0.18
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	7	0.18
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	8	0.18
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	12	0.18
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	16	0.18
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	18	0.18
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	20	0.18
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	3	0.18
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	3	0.18
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	3	0.18
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	17	0.18
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	17	0.18
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	17	0.18
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	5	0.18
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	5	0.18
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	8	0.18
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	8	0.18
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	22	0.18
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	22	0.18
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	33	0.18
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	33	0.18
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	40	0.18
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	40	0.18
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	5	0.18
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	7	0.18
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	8	0.18
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	11	0.18
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	19	0.18
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	26	0.18
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	32	0.18
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	36	0.18
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	40	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	7	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	7	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	7	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	10	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	10	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	10	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	16	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	16	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	21	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	21	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	21	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	25	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	25	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	25	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	28	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	28	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	28	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	31	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	31	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	31	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	32	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	32	0.18
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	32	0.18
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	13	0.18
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	19	0.18
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	1	0.18
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	18	0.18
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	39	0.18
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	15	0.18
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	3	0.18
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	5	0.18
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	6	0.18
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	7	0.18
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	8	0.18
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	14	0.18
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	15	0.18
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	16	0.18
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	17	0.18
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	19	0.18
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	24	0.18
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	26	0.18
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	35	0.18
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	37	0.18
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	40	0.18
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	3	0.18
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	5	0.18
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	6	0.18
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	7	0.18
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	8	0.18
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	15	0.18
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	16	0.18
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	17	0.18
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	19	0.18
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	24	0.18
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	26	0.18
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	35	0.18
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	37	0.18
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	40	0.18
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	17	0.18
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	26	0.18
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	2	0.18
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	22	0.18
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	26	0.18
(1,2745)	1:86:A:GLU:HG2	1:86:A:GLU:H	27	0.18
(1,2745)	1:86:A:GLU:HG3	1:86:A:GLU:H	27	0.18
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	2	0.18
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	1	0.18
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	2	0.18
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	4	0.18
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	5	0.18
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	8	0.18
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	9	0.18
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	14	0.18
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	17	0.18
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	18	0.18
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	19	0.18
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	20	0.18
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	23	0.18
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	27	0.18
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	35	0.18
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	37	0.18
(1,2685)	1:8:A:GLU:HB2	1:8:A:GLU:HG2	38	0.18
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	26	0.18
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	33	0.18
(1,2631)	1:11:A:GLN:HB3	1:11:A:GLN:HG3	18	0.18
(1,2615)	1:74:A:ASP:HB3	1:74:A:ASP:H	36	0.18
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	24	0.18
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	38	0.18
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	17	0.18
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	21	0.18
(1,2537)	1:73:A:PRO:HG3	1:73:A:PRO:HA	31	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	1	0.18
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	2	0.18
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	3	0.18
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	4	0.18
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	5	0.18
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	6	0.18
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	8	0.18
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	15	0.18
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	18	0.18
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	20	0.18
(1,2460)	1:4:A:PRO:HD3	1:3:A:ASP:HA	6	0.18
(1,2460)	1:4:A:PRO:HD3	1:3:A:ASP:HA	22	0.18
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	1	0.18
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	13	0.18
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	8	0.18
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	28	0.18
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	23	0.18
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	23	0.18
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	23	0.18
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	25	0.18
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	25	0.18
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	25	0.18
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	27	0.18
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	27	0.18
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	27	0.18
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	2	0.18
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	4	0.18
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	8	0.18
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	16	0.18
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	20	0.18
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	31	0.18
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	33	0.18
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	37	0.18
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	38	0.18
(1,2348)	1:21:A:VAL:HB	1:21:A:VAL:HA	40	0.18
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	18	0.18
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	19	0.18
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	26	0.18
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	28	0.18
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	9	0.18
(1,2278)	1:96:A:GLU:HG3	1:96:A:GLU:HB3	14	0.18
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	9	0.18
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	10	0.18
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	10	0.18
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	11	0.18
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	11	0.18
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	23	0.18
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	23	0.18
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	11	0.18
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	12	0.18
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	22	0.18
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	24	0.18
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	38	0.18
(1,2099)	1:40:A:VAL:HG21	1:83:A:ALA:HA	26	0.18
(1,2099)	1:40:A:VAL:HG22	1:83:A:ALA:HA	26	0.18
(1,2099)	1:40:A:VAL:HG23	1:83:A:ALA:HA	26	0.18
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	1	0.18
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	1	0.18
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	1	0.18
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	8	0.18
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	8	0.18
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	8	0.18
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	12	0.18
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	12	0.18
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	12	0.18
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	17	0.18
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	17	0.18
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	17	0.18
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	32	0.18
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	32	0.18
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	32	0.18
(1,2087)	1:85:A:LEU:HD11	1:39:A:ILE:H	11	0.18
(1,2087)	1:85:A:LEU:HD12	1:39:A:ILE:H	11	0.18
(1,2087)	1:85:A:LEU:HD13	1:39:A:ILE:H	11	0.18
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	35	0.18
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	35	0.18
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	35	0.18
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	35	0.18
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	35	0.18
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	35	0.18
(1,2070)	1:97:A:LEU:HB2	1:19:A:ILE:HB	5	0.18
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	4	0.18
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	4	0.18
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	4	0.18
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	4	0.18
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	4	0.18
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	4	0.18
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	4	0.18
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	4	0.18
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	15	0.18
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	15	0.18
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	15	0.18
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	15	0.18
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	15	0.18
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	15	0.18
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	15	0.18
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	15	0.18
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	15	0.18
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	4	0.18
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	4	0.18
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	4	0.18
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	2	0.18
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	2	0.18
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	2	0.18
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	11	0.18
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	11	0.18
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	11	0.18
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	23	0.18
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	23	0.18
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	23	0.18
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	24	0.18
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	24	0.18
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	24	0.18
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	31	0.18
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	27	0.18
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	27	0.18
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	27	0.18
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	3	0.18
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	4	0.18
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	27	0.18
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	34	0.18
(1,1904)	1:66:A:MET:HE1	1:43:A:TYR:H	33	0.18
(1,1904)	1:66:A:MET:HE2	1:43:A:TYR:H	33	0.18
(1,1904)	1:66:A:MET:HE3	1:43:A:TYR:H	33	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	25	0.18
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	25	0.18
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	25	0.18
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	29	0.18
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	29	0.18
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	29	0.18
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	30	0.18
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	30	0.18
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	30	0.18
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	31	0.18
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	31	0.18
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	31	0.18
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	32	0.18
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	32	0.18
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	32	0.18
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	27	0.18
(1,1825)	1:98:A:LYS:HD3	1:98:A:LYS:HA	29	0.18
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	27	0.18
(1,1812)	1:98:A:LYS:HD3	1:98:A:LYS:HA	29	0.18
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	3	0.18
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	5	0.18
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	6	0.18
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	7	0.18
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	8	0.18
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	14	0.18
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	15	0.18
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	16	0.18
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	17	0.18
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	19	0.18
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	24	0.18
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	26	0.18
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	35	0.18
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	37	0.18
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	40	0.18
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	22	0.18
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	23	0.18
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	24	0.18
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	28	0.18
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	32	0.18
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	34	0.18
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	35	0.18
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	11	0.18
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	17	0.18
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	18	0.18
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	21	0.18
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	22	0.18
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	24	0.18
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	27	0.18
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	30	0.18
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	39	0.18
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	1	0.18
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	3	0.18
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	8	0.18
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	14	0.18
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	22	0.18
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	27	0.18
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	32	0.18
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	33	0.18
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	38	0.18
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	11	0.18
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	11	0.18
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	11	0.18
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	11	0.18
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	11	0.18
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	11	0.18
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	11	0.18
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	11	0.18
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	11	0.18
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	22	0.18
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	22	0.18
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	22	0.18
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	22	0.18
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	22	0.18
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	22	0.18
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	22	0.18
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	22	0.18
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	22	0.18
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	25	0.18
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	25	0.18
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	25	0.18
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	25	0.18
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	25	0.18
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	25	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	25	0.18
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	25	0.18
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	25	0.18
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	34	0.18
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	34	0.18
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	34	0.18
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	34	0.18
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	34	0.18
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	34	0.18
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	34	0.18
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	34	0.18
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	34	0.18
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	39	0.18
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	39	0.18
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	39	0.18
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	39	0.18
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	39	0.18
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	39	0.18
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	39	0.18
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	39	0.18
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	39	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	10	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	10	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	10	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	10	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	10	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	10	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	10	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	10	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	10	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	22	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	22	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	22	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	22	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	22	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	22	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	22	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	22	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	22	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	23	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	23	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	23	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	23	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	23	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	23	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	23	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	23	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	23	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	25	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	25	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	25	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	25	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	25	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	25	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	25	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	25	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	25	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	30	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	30	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	30	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	30	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	30	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	30	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	30	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	30	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	30	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	34	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	34	0.18
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	34	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	34	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	34	0.18
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	34	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	34	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	34	0.18
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	34	0.18
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	38	0.18
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	38	0.18
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	38	0.18
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	1	0.18
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	1	0.18
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	1	0.18
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	3	0.18
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	3	0.18
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	4	0.18
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	4	0.18
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	4	0.18
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	5	0.18
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	5	0.18
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	5	0.18
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	6	0.18
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	6	0.18
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	6	0.18
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	7	0.18
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	7	0.18
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	7	0.18
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	9	0.18
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	9	0.18
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	9	0.18
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	10	0.18
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	10	0.18
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	10	0.18
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	26	0.18
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	26	0.18
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	26	0.18
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	28	0.18
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	28	0.18
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	28	0.18
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	31	0.18
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	31	0.18
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	31	0.18
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	35	0.18
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	35	0.18
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	35	0.18
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	36	0.18
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	36	0.18
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	36	0.18
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	38	0.18
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	38	0.18
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	38	0.18
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	5	0.18
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	5	0.18
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	5	0.18
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	8	0.18
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	8	0.18
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	18	0.18
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	18	0.18
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	18	0.18
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	40	0.18
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	40	0.18
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	40	0.18
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	1	0.18
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	1	0.18
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	1	0.18
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	1	0.18
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	1	0.18
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	1	0.18
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	16	0.18
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	16	0.18
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	16	0.18
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	16	0.18
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	16	0.18
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	16	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	3	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	3	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	3	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	8	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	8	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	8	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	22	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	22	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	22	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	26	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	26	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	26	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	31	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	31	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	31	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	36	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	36	0.18
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	36	0.18
(1,1578)	1:39:A:ILE:HG21	1:39:A:ILE:HG12	3	0.18
(1,1578)	1:39:A:ILE:HG22	1:39:A:ILE:HG12	3	0.18
(1,1578)	1:39:A:ILE:HG23	1:39:A:ILE:HG12	3	0.18
(1,1543)	1:2:A:ILE:HG12	1:2:A:ILE:HA	23	0.18
(1,1530)	1:2:A:ILE:HG21	1:2:A:ILE:HA	10	0.18
(1,1530)	1:2:A:ILE:HG22	1:2:A:ILE:HA	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:2:A:ILE:HG23	1:2:A:ILE:HA	10	0.18
(1,1530)	1:2:A:ILE:HG21	1:2:A:ILE:HA	14	0.18
(1,1530)	1:2:A:ILE:HG22	1:2:A:ILE:HA	14	0.18
(1,1530)	1:2:A:ILE:HG23	1:2:A:ILE:HA	14	0.18
(1,1530)	1:2:A:ILE:HG21	1:2:A:ILE:HA	17	0.18
(1,1530)	1:2:A:ILE:HG22	1:2:A:ILE:HA	17	0.18
(1,1530)	1:2:A:ILE:HG23	1:2:A:ILE:HA	17	0.18
(1,1530)	1:2:A:ILE:HG21	1:2:A:ILE:HA	23	0.18
(1,1530)	1:2:A:ILE:HG22	1:2:A:ILE:HA	23	0.18
(1,1530)	1:2:A:ILE:HG23	1:2:A:ILE:HA	23	0.18
(1,1530)	1:2:A:ILE:HG21	1:2:A:ILE:HA	37	0.18
(1,1530)	1:2:A:ILE:HG22	1:2:A:ILE:HA	37	0.18
(1,1530)	1:2:A:ILE:HG23	1:2:A:ILE:HA	37	0.18
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	3	0.18
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	3	0.18
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	3	0.18
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	3	0.18
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	3	0.18
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	3	0.18
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	14	0.18
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	14	0.18
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	14	0.18
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	14	0.18
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	14	0.18
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	14	0.18
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	11	0.18
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	11	0.18
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	11	0.18
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	2	0.18
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	2	0.18
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	2	0.18
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	5	0.18
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	5	0.18
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	5	0.18
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	38	0.18
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	38	0.18
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	38	0.18
(1,1475)	1:78:A:VAL:HG11	1:94:A:THR:HA	28	0.18
(1,1475)	1:78:A:VAL:HG12	1:94:A:THR:HA	28	0.18
(1,1475)	1:78:A:VAL:HG13	1:94:A:THR:HA	28	0.18
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	1	0.18
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	1	0.18
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	2	0.18
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	2	0.18
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	2	0.18
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	3	0.18
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	3	0.18
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	3	0.18
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	22	0.18
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	22	0.18
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	22	0.18
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	27	0.18
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	27	0.18
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	27	0.18
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	38	0.18
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	38	0.18
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	38	0.18
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	2	0.18
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	2	0.18
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	2	0.18
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	14	0.18
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	14	0.18
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	14	0.18
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	20	0.18
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	20	0.18
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	20	0.18
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	35	0.18
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	35	0.18
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	35	0.18
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	4	0.18
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	4	0.18
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	4	0.18
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	20	0.18
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	20	0.18
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	20	0.18
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	24	0.18
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	24	0.18
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	24	0.18
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	28	0.18
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	28	0.18
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	28	0.18
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	33	0.18
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	33	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	33	0.18
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	34	0.18
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	34	0.18
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	34	0.18
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	8	0.18
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	8	0.18
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	8	0.18
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	12	0.18
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	12	0.18
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	12	0.18
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	13	0.18
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	13	0.18
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	13	0.18
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	24	0.18
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	24	0.18
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	24	0.18
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	31	0.18
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	31	0.18
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	31	0.18
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	38	0.18
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	38	0.18
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	38	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	7	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	7	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	7	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	11	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	11	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	11	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	14	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	14	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	14	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	16	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	16	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	16	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	18	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	18	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	18	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	19	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	19	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	19	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	21	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	21	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	21	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	22	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	22	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	22	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	24	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	24	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	24	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	25	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	25	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	25	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	26	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	26	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	26	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	27	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	27	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	27	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	30	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	30	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	30	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	31	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	31	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	31	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	33	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	33	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	33	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	35	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	35	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	35	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	36	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	36	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	36	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	37	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	37	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	37	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	38	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	38	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	38	0.18
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	40	0.18
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	40	0.18
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	40	0.18
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	6	0.18
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	6	0.18
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	37	0.18
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	37	0.18
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	37	0.18
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	2	0.18
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	2	0.18
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	2	0.18
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	15	0.18
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	15	0.18
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	15	0.18
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	22	0.18
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	22	0.18
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	22	0.18
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	20	0.18
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	20	0.18
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	20	0.18
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	38	0.18
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	38	0.18
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	38	0.18
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	8	0.18
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	23	0.18
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	25	0.18
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	9	0.18
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	9	0.18
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	9	0.18
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	28	0.18
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	28	0.18
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	28	0.18
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	13	0.18
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	13	0.18
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	13	0.18
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	13	0.18
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	13	0.18
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	13	0.18
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	13	0.18
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	13	0.18
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	13	0.18
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	20	0.18
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	20	0.18
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	20	0.18
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	20	0.18
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	20	0.18
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	20	0.18
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	20	0.18
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	20	0.18
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	4	0.18
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	4	0.18
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	4	0.18
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	5	0.18
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	5	0.18
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	5	0.18
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	11	0.18
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	11	0.18
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	11	0.18
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	13	0.18
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	13	0.18
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	13	0.18
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	31	0.18
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	31	0.18
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	31	0.18
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	4	0.18
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	4	0.18
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	4	0.18
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	5	0.18
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	5	0.18
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	5	0.18
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	11	0.18
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	11	0.18
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	11	0.18
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	13	0.18
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	13	0.18
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	13	0.18
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	31	0.18
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	31	0.18
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	31	0.18
(1,1257)	1:67:A:THR:HG21	1:26:A:SER:HB2	6	0.18
(1,1257)	1:67:A:THR:HG22	1:26:A:SER:HB2	6	0.18
(1,1257)	1:67:A:THR:HG23	1:26:A:SER:HB2	6	0.18
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	3	0.18
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	3	0.18
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	3	0.18
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	13	0.18
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	13	0.18
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	18	0.18
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	18	0.18
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	18	0.18
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	5	0.18
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	5	0.18
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	5	0.18
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	31	0.18
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	31	0.18
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	31	0.18
(1,1236)	1:13:A:THR:HG21	1:34:A:SER:HB3	28	0.18
(1,1236)	1:13:A:THR:HG22	1:34:A:SER:HB3	28	0.18
(1,1236)	1:13:A:THR:HG23	1:34:A:SER:HB3	28	0.18
(1,1213)	1:66:A:MET:H	1:28:A:THR:HA	10	0.18
(1,1213)	1:66:A:MET:H	1:28:A:THR:HA	26	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	1	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	1	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	1	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	2	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	2	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	2	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	12	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	12	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	12	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	13	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	13	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	13	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	26	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	26	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	26	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	28	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	28	0.18
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	28	0.18
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	2	0.18
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	6	0.18
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	13	0.18
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	33	0.18
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	34	0.18
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	23	0.18
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	27	0.18
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	32	0.18
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	37	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	29	0.18
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	12	0.18
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	12	0.18
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	24	0.18
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	24	0.18
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	29	0.18
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	29	0.18
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	35	0.18
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	35	0.18
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	5	0.18
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	7	0.18
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	11	0.18
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	13	0.18
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	26	0.18
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	27	0.18
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	1	0.18
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	2	0.18
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	4	0.18
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	9	0.18
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	16	0.18
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	20	0.18
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	37	0.18
(1,962)	1:102:A:ARG:H	1:101:A:LEU:HB2	23	0.18
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	28	0.18
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	3	0.18
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	7	0.18
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	10	0.18
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	12	0.18
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	16	0.18
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	22	0.18
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	23	0.18
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	26	0.18
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	28	0.18
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	31	0.18
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	32	0.18
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	36	0.18
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	40	0.18
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	24	0.18
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	38	0.18
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	18	0.18
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	34	0.18
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	3	0.18
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	4	0.18
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	14	0.18
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	17	0.18
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	19	0.18
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	33	0.18
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	22	0.18
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	27	0.18
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	35	0.18
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	38	0.18
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	1	0.18
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	3	0.18
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	15	0.18
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	18	0.18
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	24	0.18
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	38	0.18
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	37	0.18
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	37	0.18
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	37	0.18
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	7	0.18
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	4	0.18
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	4	0.18
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	4	0.18
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	13	0.18
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	13	0.18
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	13	0.18
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	35	0.18
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	35	0.18
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	35	0.18
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	8	0.18
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	1	0.18
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	6	0.18
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	8	0.18
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	14	0.18
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	39	0.18
(1,786)	1:6:A:THR:H	1:6:A:THR:HG21	6	0.18
(1,786)	1:6:A:THR:H	1:6:A:THR:HG22	6	0.18
(1,786)	1:6:A:THR:H	1:6:A:THR:HG23	6	0.18
(1,783)	1:74:A:ASP:H	1:74:A:ASP:HB3	36	0.18
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	1	0.18
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	6	0.18
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	23	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	3	0.18
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	20	0.18
(1,737)	1:15:A:ARG:H	1:14:A:LYS:HA	40	0.18
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	20	0.18
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	9	0.18
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	12	0.18
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	27	0.18
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	28	0.18
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	38	0.18
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	22	0.18
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	33	0.18
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	34	0.18
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	35	0.18
(1,715)	1:16:A:ILE:H	1:15:A:ARG:HB3	37	0.18
(1,684)	1:23:A:GLU:H	1:23:A:GLU:HB3	24	0.18
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	2	0.18
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	22	0.18
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	9	0.18
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	3	0.18
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	9	0.18
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	18	0.18
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	26	0.18
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	30	0.18
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	38	0.18
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	1	0.18
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	7	0.18
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	12	0.18
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	17	0.18
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	29	0.18
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	30	0.18
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	37	0.18
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	9	0.18
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	9	0.18
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	11	0.18
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	11	0.18
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	14	0.18
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	14	0.18
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	15	0.18
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	15	0.18
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	39	0.18
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	39	0.18
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	26	0.18
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	34	0.18
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	1	0.18
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	2	0.18
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	5	0.18
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	8	0.18
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	20	0.18
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	21	0.18
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	24	0.18
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	27	0.18
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	28	0.18
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	31	0.18
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	9	0.18
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	15	0.18
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	21	0.18
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	8	0.18
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	11	0.18
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	13	0.18
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	21	0.18
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	23	0.18
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	25	0.18
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	26	0.18
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	30	0.18
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	35	0.18
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	36	0.18
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	3	0.18
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	8	0.18
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	14	0.18
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	20	0.18
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	35	0.18
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	37	0.18
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	3	0.18
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	22	0.18
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	23	0.18
(1,410)	1:96:A:GLU:H	1:18:A:ASN:HD21	29	0.18
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	8	0.18
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	17	0.18
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	24	0.18
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	29	0.18
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	30	0.18
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	32	0.18
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	33	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	40	0.18
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	27	0.18
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	27	0.18
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	27	0.18
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	18	0.18
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	29	0.18
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	31	0.18
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	7	0.18
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	15	0.18
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	24	0.18
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	29	0.18
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	33	0.18
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	39	0.18
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	40	0.18
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	4	0.18
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	4	0.18
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	4	0.18
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	5	0.18
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	5	0.18
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	5	0.18
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	11	0.18
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	11	0.18
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	11	0.18
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	13	0.18
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	13	0.18
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	13	0.18
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	31	0.18
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	31	0.18
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	31	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	2	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	3	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	5	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	6	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	8	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	10	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	12	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	14	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	16	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	19	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	21	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	22	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	24	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	27	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	28	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	31	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	33	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	35	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	36	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	38	0.18
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	39	0.18
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	1	0.18
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	37	0.18
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	12	0.18
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	12	0.18
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	12	0.18
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	28	0.18
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	28	0.18
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	28	0.18
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	35	0.18
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	35	0.18
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	35	0.18
(1,149)	1:45:A:GLY:H	1:46:A:PRO:HD3	9	0.18
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	5	0.18
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	7	0.18
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	11	0.18
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	13	0.18
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	26	0.18
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	27	0.18
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	6	0.18
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	9	0.18
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	21	0.18
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	39	0.18
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	2	0.18
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	11	0.18
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	1	0.18
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	2	0.18
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	10	0.18
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	13	0.18
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	17	0.18
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	18	0.18
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	21	0.18
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	22	0.18
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	23	0.18
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	25	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	26	0.18
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	27	0.18
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	28	0.18
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	30	0.18
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	33	0.18
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	36	0.18
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	40	0.18
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	2	0.18
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	11	0.18
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	17	0.18
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	18	0.18
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	21	0.18
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	22	0.18
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	24	0.18
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	27	0.18
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	30	0.18
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	39	0.18
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	1	0.18
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	3	0.18
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	8	0.18
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	15	0.18
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	27	0.18
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	2	0.18
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	5	0.18
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	9	0.18
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	11	0.18
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	13	0.18
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	21	0.18
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	23	0.18
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	29	0.18
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	32	0.18
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	33	0.18
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	37	0.18
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	38	0.18
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	39	0.18
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	4	0.17
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	4	0.17
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	6	0.17
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	6	0.17
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	10	0.17
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	10	0.17
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	15	0.17
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	16	0.17
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	16	0.17
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	40	0.17
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	40	0.17
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	1	0.17
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	1	0.17
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	1	0.17
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	1	0.17
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	1	0.17
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	1	0.17
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	19	0.17
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	19	0.17
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	19	0.17
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	19	0.17
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	19	0.17
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	19	0.17
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	20	0.17
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	20	0.17
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	20	0.17
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	20	0.17
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	20	0.17
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	20	0.17
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	30	0.17
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	30	0.17
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	30	0.17
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	30	0.17
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	30	0.17
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	30	0.17
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	33	0.17
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	33	0.17
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	33	0.17
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	33	0.17
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	33	0.17
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	33	0.17
(3,3205)	1:43:A:TYR:HD1	1:80:A:SER:HB2	21	0.17
(3,3205)	1:43:A:TYR:HD2	1:80:A:SER:HB2	21	0.17
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	1	0.17
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	2	0.17
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	21	0.17
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	22	0.17
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	30	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	33	0.17
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	36	0.17
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	36	0.17
(3,3138)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	5	0.17
(3,3138)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	5	0.17
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	17	0.17
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	17	0.17
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	34	0.17
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	34	0.17
(3,3133)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	22	0.17
(3,3133)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	22	0.17
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	3	0.17
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	3	0.17
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	9	0.17
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	9	0.17
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	11	0.17
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	11	0.17
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	18	0.17
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	18	0.17
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	26	0.17
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	26	0.17
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	29	0.17
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	29	0.17
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	3	0.17
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	3	0.17
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	9	0.17
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	9	0.17
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	11	0.17
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	11	0.17
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	18	0.17
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	18	0.17
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	26	0.17
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	26	0.17
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	29	0.17
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	29	0.17
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	20	0.17
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	20	0.17
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	20	0.17
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	20	0.17
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	20	0.17
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	20	0.17
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	28	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	28	0.17
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	28	0.17
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	28	0.17
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	28	0.17
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	28	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	1	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	1	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	1	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	1	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	1	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	1	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	20	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	20	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	20	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	20	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	20	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	20	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	26	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	26	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	26	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	26	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	26	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	26	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	32	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	32	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	32	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	32	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	32	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	32	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	35	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	35	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	35	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	35	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	35	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	35	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	37	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	37	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	37	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	37	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	37	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	37	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	38	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	38	0.17
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	38	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	38	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	38	0.17
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	38	0.17
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	1	0.17
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	1	0.17
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	1	0.17
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	1	0.17
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	7	0.17
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	7	0.17
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	7	0.17
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	7	0.17
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	11	0.17
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	11	0.17
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	11	0.17
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	11	0.17
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	16	0.17
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	16	0.17
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	16	0.17
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	16	0.17
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	17	0.17
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	17	0.17
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	17	0.17
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	17	0.17
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	12	0.17
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	12	0.17
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	12	0.17
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	12	0.17
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	12	0.17
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	12	0.17
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	21	0.17
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	21	0.17
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	21	0.17
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	21	0.17
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	21	0.17
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	21	0.17
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	1	0.17
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	2	0.17
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	3	0.17
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	4	0.17
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	6	0.17
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	11	0.17
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	14	0.17
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	15	0.17
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	17	0.17
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	29	0.17
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	33	0.17
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	34	0.17
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	37	0.17
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	13	0.17
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	13	0.17
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	13	0.17
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	18	0.17
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	18	0.17
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	18	0.17
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	27	0.17
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	27	0.17
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	27	0.17
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	13	0.17
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	13	0.17
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	35	0.17
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	35	0.17
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	14	0.17
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	27	0.17
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	28	0.17
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	31	0.17
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	38	0.17
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	15	0.17
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	15	0.17
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	1	0.17
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	1	0.17
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	1	0.17
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	8	0.17
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	8	0.17
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	8	0.17
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	38	0.17
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	38	0.17
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	38	0.17
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	6	0.17
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	7	0.17
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	12	0.17
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	36	0.17
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	8	0.17
(3,2937)	1:17:A:GLN:HG2	1:18:A:ASN:H	8	0.17
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	9	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	1	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	2	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	4	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	9	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	10	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	11	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	12	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	13	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	18	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	20	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	21	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	22	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	23	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	25	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	27	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	28	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	29	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	30	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	31	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	32	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	33	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	34	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	36	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	38	0.17
(3,2914)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	39	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	1	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	2	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	4	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	9	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	10	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	11	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	12	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	13	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	18	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	20	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	21	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	22	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	23	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	25	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	27	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	28	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	29	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	30	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	31	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	32	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	33	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	34	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	36	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	38	0.17
(3,2911)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	39	0.17
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	18	0.17
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	9	0.17
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	10	0.17
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	12	0.17
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	20	0.17
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	33	0.17
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	6	0.17
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	8	0.17
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	12	0.17
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	20	0.17
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	36	0.17
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	20	0.17
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	27	0.17
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	28	0.17
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	36	0.17
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	8	0.17
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	9	0.17
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	1	0.17
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	14	0.17
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	39	0.17
(3,2619)	1:74:A:ASP:HB3	1:74:A:ASP:H	17	0.17
(3,2602)	1:36:A:ASP:HB2	1:37:A:ASP:H	7	0.17
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	32	0.17
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	7	0.17
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	17	0.17
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	1	0.17
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	5	0.17
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	6	0.17
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	19	0.17
(3,2463)	1:4:A:PRO:HD3	1:3:A:ASP:HA	28	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2463)	1:4:A:PRO:HD3	1:3:A:ASP:HA	38	0.17
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	2	0.17
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	18	0.17
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	2	0.17
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	3	0.17
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	5	0.17
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	18	0.17
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	24	0.17
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	30	0.17
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	38	0.17
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	34	0.17
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	34	0.17
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	34	0.17
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	36	0.17
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	36	0.17
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	36	0.17
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	8	0.17
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	8	0.17
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	8	0.17
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	11	0.17
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	11	0.17
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	11	0.17
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	18	0.17
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	18	0.17
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	18	0.17
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	22	0.17
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	22	0.17
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	22	0.17
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	26	0.17
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	26	0.17
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	26	0.17
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	31	0.17
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	31	0.17
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	31	0.17
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	32	0.17
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	32	0.17
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	32	0.17
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	36	0.17
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	36	0.17
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	36	0.17
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	32	0.17
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	32	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2240)	1:18:A:ASN:HB2	1:18:A:ASN:H	37	0.17
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	13	0.17
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	31	0.17
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	3	0.17
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	3	0.17
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	3	0.17
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	10	0.17
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	10	0.17
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	10	0.17
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	13	0.17
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	13	0.17
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	13	0.17
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	24	0.17
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	24	0.17
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	24	0.17
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	29	0.17
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	29	0.17
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	29	0.17
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	33	0.17
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	33	0.17
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	33	0.17
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	36	0.17
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	36	0.17
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	36	0.17
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	40	0.17
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	40	0.17
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	40	0.17
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	17	0.17
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	17	0.17
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	17	0.17
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	17	0.17
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	17	0.17
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	17	0.17
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	17	0.17
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	17	0.17
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	17	0.17
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	1	0.17
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	1	0.17
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	1	0.17
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	1	0.17
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	1	0.17
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	1	0.17
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	1	0.17
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	1	0.17
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	4	0.17
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	4	0.17
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	4	0.17
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	18	0.17
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	18	0.17
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	18	0.17
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	21	0.17
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	21	0.17
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	21	0.17
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	22	0.17
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	22	0.17
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	22	0.17
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	31	0.17
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	31	0.17
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	31	0.17
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	35	0.17
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	35	0.17
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	35	0.17
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	13	0.17
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	13	0.17
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	13	0.17
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	17	0.17
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	17	0.17
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	17	0.17
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	17	0.17
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	17	0.17
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	17	0.17
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	22	0.17
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	22	0.17
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	22	0.17
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	22	0.17
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	22	0.17
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	22	0.17
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	25	0.17
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	25	0.17
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	25	0.17
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	25	0.17
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	25	0.17
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	25	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	34	0.17
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	34	0.17
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	34	0.17
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	34	0.17
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	34	0.17
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	34	0.17
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	17	0.17
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	17	0.17
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	17	0.17
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	17	0.17
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	30	0.17
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	30	0.17
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	30	0.17
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	36	0.17
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	36	0.17
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	36	0.17
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	37	0.17
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	37	0.17
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	37	0.17
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	1	0.17
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	9	0.17
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	12	0.17
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	16	0.17
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	40	0.17
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	36	0.17
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	36	0.17
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	36	0.17
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	29	0.17
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	29	0.17
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	29	0.17
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	1	0.17
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	1	0.17
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	1	0.17
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	7	0.17
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	7	0.17
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	7	0.17
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	13	0.17
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	13	0.17
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	13	0.17
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	21	0.17
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	21	0.17
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	21	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	23	0.17
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	23	0.17
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	23	0.17
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	24	0.17
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	24	0.17
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	24	0.17
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	36	0.17
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	36	0.17
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	36	0.17
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	1	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	1	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	2	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	4	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	9	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	10	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	11	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	12	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	13	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	18	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	20	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	21	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	22	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	23	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	25	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	27	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	28	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	29	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	30	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	31	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	32	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	33	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	34	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	36	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	38	0.17
(3,1811)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	39	0.17
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	21	0.17
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	30	0.17
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	31	0.17
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	33	0.17
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	36	0.17
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	37	0.17
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	40	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	3	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	4	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	6	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	7	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	12	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	14	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	19	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	23	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	25	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	26	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	28	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	29	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	31	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	32	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	33	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	34	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	35	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	36	0.17
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	40	0.17
(3,1731)	1:48:A:GLU:HB2	1:48:A:GLU:H	20	0.17
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	7	0.17
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	7	0.17
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	7	0.17
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	7	0.17
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	7	0.17
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	7	0.17
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	7	0.17
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	7	0.17
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	7	0.17
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	31	0.17
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	31	0.17
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	31	0.17
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	31	0.17
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	31	0.17
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	31	0.17
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	31	0.17
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	31	0.17
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	31	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	1	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	1	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	1	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	1	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	1	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	1	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	1	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	1	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	19	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	19	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	19	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	19	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	19	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	19	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	19	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	19	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	19	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	20	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	20	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	20	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	20	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	20	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	20	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	20	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	20	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	20	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	21	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	21	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	21	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	21	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	21	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	21	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	21	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	21	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	21	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	27	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	27	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	27	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	27	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	27	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	27	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	27	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	27	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	27	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	33	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	33	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	33	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	33	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	33	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	33	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	33	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	33	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	33	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	36	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	36	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	36	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	36	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	36	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	36	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	36	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	36	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	36	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	38	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	38	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	38	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	38	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	38	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	38	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	38	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	38	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	38	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	40	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	40	0.17
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	40	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	40	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	40	0.17
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	40	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	40	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	40	0.17
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	40	0.17
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	23	0.17
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	23	0.17
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	23	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	5	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	5	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	5	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	5	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	5	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	5	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	5	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	5	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	6	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	6	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	6	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	6	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	6	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	6	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	6	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	6	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	6	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	9	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	9	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	9	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	9	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	9	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	9	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	9	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	9	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	9	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	16	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	16	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	16	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	16	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	16	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	16	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	16	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	16	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	16	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	39	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	39	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	39	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	39	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	39	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	39	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	39	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	39	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	39	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	40	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	40	0.17
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	40	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	40	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	40	0.17
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	40	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	40	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	40	0.17
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	40	0.17
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	28	0.17
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	28	0.17
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	28	0.17
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	35	0.17
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	35	0.17
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	35	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	8	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	8	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	8	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	11	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	11	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	11	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	13	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	13	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	13	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	14	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	14	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	14	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	17	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	17	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	17	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	18	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	18	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	18	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	19	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	19	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	19	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	20	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	20	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	20	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	21	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	21	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	21	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	22	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	22	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	22	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	23	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	23	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	23	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	24	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	24	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	24	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	25	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	25	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	25	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	27	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	27	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	27	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	30	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	30	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	30	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	34	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	34	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	34	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	39	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	39	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	39	0.17
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	40	0.17
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	40	0.17
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	40	0.17
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	20	0.17
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	20	0.17
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	20	0.17
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	20	0.17
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	20	0.17
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	20	0.17
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	28	0.17
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	28	0.17
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	28	0.17
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	28	0.17
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	28	0.17
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	28	0.17
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	31	0.17
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	31	0.17
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	31	0.17
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	31	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	31	0.17
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	31	0.17
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	37	0.17
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	37	0.17
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	37	0.17
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	37	0.17
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	37	0.17
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	37	0.17
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	20	0.17
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	20	0.17
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	20	0.17
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	23	0.17
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	23	0.17
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	23	0.17
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	27	0.17
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	27	0.17
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	27	0.17
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	37	0.17
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	37	0.17
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	37	0.17
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	17	0.17
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	17	0.17
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	17	0.17
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	21	0.17
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	21	0.17
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	21	0.17
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	23	0.17
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	23	0.17
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	23	0.17
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	24	0.17
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	24	0.17
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	24	0.17
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	25	0.17
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	25	0.17
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	25	0.17
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	28	0.17
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	28	0.17
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	28	0.17
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	32	0.17
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	32	0.17
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	32	0.17
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	38	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	38	0.17
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	38	0.17
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	39	0.17
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	39	0.17
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	39	0.17
(3,1547)	1:2:A:ILE:HG12	1:2:A:ILE:HA	36	0.17
(3,1547)	1:2:A:ILE:HG12	1:2:A:ILE:HA	37	0.17
(3,1534)	1:2:A:ILE:HG21	1:2:A:ILE:HA	8	0.17
(3,1534)	1:2:A:ILE:HG22	1:2:A:ILE:HA	8	0.17
(3,1534)	1:2:A:ILE:HG23	1:2:A:ILE:HA	8	0.17
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	1	0.17
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	1	0.17
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	1	0.17
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	14	0.17
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	14	0.17
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	14	0.17
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	22	0.17
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	22	0.17
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	22	0.17
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	38	0.17
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	38	0.17
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	38	0.17
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	17	0.17
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	17	0.17
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	17	0.17
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	9	0.17
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	9	0.17
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	9	0.17
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	9	0.17
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	9	0.17
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	9	0.17
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	13	0.17
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	13	0.17
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	13	0.17
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	13	0.17
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	13	0.17
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	13	0.17
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	16	0.17
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	16	0.17
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	16	0.17
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	16	0.17
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	16	0.17
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	17	0.17
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	17	0.17
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	17	0.17
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	17	0.17
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	17	0.17
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	17	0.17
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	32	0.17
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	32	0.17
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	32	0.17
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	32	0.17
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	32	0.17
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	32	0.17
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	1	0.17
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	1	0.17
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	1	0.17
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	5	0.17
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	5	0.17
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	5	0.17
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	30	0.17
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	30	0.17
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	30	0.17
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	34	0.17
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	34	0.17
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	34	0.17
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	6	0.17
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	6	0.17
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	6	0.17
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	19	0.17
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	19	0.17
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	19	0.17
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	15	0.17
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	15	0.17
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	15	0.17
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	17	0.17
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	17	0.17
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	17	0.17
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	25	0.17
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	25	0.17
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	25	0.17
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	26	0.17
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	26	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	26	0.17
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	30	0.17
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	30	0.17
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	30	0.17
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	34	0.17
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	34	0.17
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	34	0.17
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	35	0.17
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	35	0.17
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	35	0.17
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	36	0.17
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	36	0.17
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	36	0.17
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	39	0.17
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	39	0.17
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	39	0.17
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	9	0.17
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	9	0.17
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	9	0.17
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	14	0.17
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	14	0.17
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	14	0.17
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	21	0.17
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	21	0.17
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	21	0.17
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	34	0.17
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	34	0.17
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	34	0.17
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	4	0.17
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	4	0.17
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	4	0.17
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	11	0.17
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	11	0.17
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	11	0.17
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	16	0.17
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	16	0.17
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	16	0.17
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	23	0.17
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	23	0.17
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	23	0.17
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	31	0.17
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	31	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	31	0.17
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	35	0.17
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	35	0.17
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	35	0.17
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	39	0.17
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	39	0.17
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	39	0.17
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	40	0.17
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	40	0.17
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	40	0.17
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	1	0.17
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	1	0.17
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	1	0.17
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	2	0.17
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	2	0.17
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	2	0.17
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	7	0.17
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	7	0.17
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	7	0.17
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	10	0.17
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	10	0.17
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	10	0.17
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	16	0.17
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	16	0.17
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	16	0.17
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	20	0.17
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	20	0.17
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	20	0.17
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	1	0.17
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	1	0.17
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	1	0.17
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	5	0.17
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	5	0.17
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	5	0.17
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	8	0.17
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	8	0.17
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	8	0.17
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	9	0.17
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	9	0.17
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	9	0.17
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	10	0.17
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	10	0.17
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	13	0.17
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	13	0.17
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	13	0.17
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	15	0.17
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	15	0.17
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	15	0.17
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	17	0.17
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	17	0.17
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	17	0.17
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	23	0.17
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	23	0.17
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	23	0.17
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	28	0.17
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	28	0.17
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	28	0.17
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	32	0.17
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	32	0.17
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	32	0.17
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	34	0.17
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	34	0.17
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	34	0.17
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	39	0.17
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	39	0.17
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	39	0.17
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	2	0.17
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	2	0.17
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	2	0.17
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	17	0.17
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	17	0.17
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	17	0.17
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	22	0.17
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	22	0.17
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	22	0.17
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	26	0.17
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	26	0.17
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	26	0.17
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	29	0.17
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	29	0.17
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	29	0.17
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	20	0.17
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	20	0.17
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	21	0.17
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	21	0.17
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	21	0.17
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	35	0.17
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	35	0.17
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	35	0.17
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	27	0.17
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	27	0.17
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	27	0.17
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	3	0.17
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	3	0.17
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	3	0.17
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	3	0.17
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	3	0.17
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	3	0.17
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	3	0.17
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	3	0.17
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	3	0.17
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	3	0.17
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	3	0.17
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	3	0.17
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	3	0.17
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	3	0.17
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	3	0.17
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	3	0.17
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	3	0.17
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	3	0.17
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	13	0.17
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	22	0.17
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	26	0.17
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	31	0.17
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	38	0.17
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	2	0.17
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	2	0.17
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	2	0.17
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	4	0.17
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	4	0.17
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	4	0.17
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	8	0.17
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	8	0.17
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	10	0.17
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	10	0.17
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	10	0.17
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	12	0.17
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	12	0.17
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	12	0.17
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	27	0.17
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	27	0.17
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	27	0.17
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	2	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	3	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	3	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	3	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	14	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	14	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	14	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	15	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	15	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	15	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	18	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	18	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	18	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	26	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	26	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	26	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	40	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	40	0.17
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	40	0.17
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	3	0.17
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	3	0.17
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	3	0.17
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	14	0.17
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	14	0.17
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	14	0.17
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	15	0.17
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	15	0.17
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	15	0.17
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	18	0.17
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	18	0.17
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	18	0.17
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	26	0.17
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	26	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	26	0.17
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	40	0.17
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	40	0.17
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	40	0.17
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	14	0.17
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	14	0.17
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	14	0.17
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	14	0.17
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	14	0.17
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	14	0.17
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	14	0.17
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	14	0.17
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	14	0.17
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	6	0.17
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	6	0.17
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	6	0.17
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	19	0.17
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	19	0.17
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	19	0.17
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	20	0.17
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	20	0.17
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	20	0.17
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	6	0.17
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	6	0.17
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	6	0.17
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	19	0.17
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	19	0.17
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	19	0.17
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	20	0.17
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	20	0.17
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	20	0.17
(3,1261)	1:67:A:THR:HG21	1:26:A:SER:HB2	1	0.17
(3,1261)	1:67:A:THR:HG22	1:26:A:SER:HB2	1	0.17
(3,1261)	1:67:A:THR:HG23	1:26:A:SER:HB2	1	0.17
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	5	0.17
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	5	0.17
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	5	0.17
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	23	0.17
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	23	0.17
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	23	0.17
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	34	0.17
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	34	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	34	0.17
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	36	0.17
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	36	0.17
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	36	0.17
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	13	0.17
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	13	0.17
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	13	0.17
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	15	0.17
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	15	0.17
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	15	0.17
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	20	0.17
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	20	0.17
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	20	0.17
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	27	0.17
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	27	0.17
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	27	0.17
(3,1240)	1:13:A:THR:HG21	1:34:A:SER:HB3	24	0.17
(3,1240)	1:13:A:THR:HG22	1:34:A:SER:HB3	24	0.17
(3,1240)	1:13:A:THR:HG23	1:34:A:SER:HB3	24	0.17
(3,1230)	1:101:A:LEU:H	1:22:A:SER:HA	9	0.17
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	3	0.17
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	6	0.17
(3,1195)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	7	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	18	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	18	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	18	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	19	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	19	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	19	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	20	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	20	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	20	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	23	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	23	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	23	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	25	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	25	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	25	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	27	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	27	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	27	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	30	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	30	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	30	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	35	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	35	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	35	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	36	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	36	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	36	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	37	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	37	0.17
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	37	0.17
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	11	0.17
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	27	0.17
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	30	0.17
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG11	7	0.17
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG12	7	0.17
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG13	7	0.17
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	11	0.17
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	18	0.17
(3,1178)	1:91:A:ALA:H	1:84:A:ARG:HA	4	0.17
(3,1178)	1:91:A:ALA:H	1:84:A:ARG:HA	8	0.17
(3,1173)	1:14:A:LYS:H	1:14:A:LYS:HD2	7	0.17
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	7	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	6	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	6	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	14	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	14	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	16	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	16	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	22	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	22	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	25	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	25	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	28	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	28	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	31	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	31	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	32	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	32	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	33	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	33	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	34	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	34	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	37	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	37	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	39	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	39	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	40	0.17
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	40	0.17
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	2	0.17
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	16	0.17
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	24	0.17
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	29	0.17
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	33	0.17
(3,1126)	1:78:A:VAL:H	1:44:A:LYS:HE2	2	0.17
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	3	0.17
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	6	0.17
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	10	0.17
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	11	0.17
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	12	0.17
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	14	0.17
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	15	0.17
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	18	0.17
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	19	0.17
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	36	0.17
(3,1063)	1:71:A:VAL:H	1:25:A:GLN:H	17	0.17
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	38	0.17
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	7	0.17
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	15	0.17
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	34	0.17
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	15	0.17
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	29	0.17
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	32	0.17
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	38	0.17
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	4	0.17
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	13	0.17
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	24	0.17
(3,920)	1:37:A:ASP:H	1:36:A:ASP:HB2	7	0.17
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	3	0.17
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	9	0.17
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	26	0.17
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	5	0.17
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	6	0.17
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	12	0.17
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	13	0.17
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	18	0.17
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	23	0.17
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	24	0.17
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	25	0.17
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	26	0.17
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	28	0.17
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	29	0.17
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	37	0.17
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	39	0.17
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	7	0.17
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	29	0.17
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	1	0.17
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	1	0.17
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	1	0.17
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	4	0.17
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	4	0.17
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	4	0.17
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	8	0.17
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	8	0.17
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	8	0.17
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	19	0.17
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	19	0.17
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	19	0.17
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	27	0.17
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	27	0.17
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	27	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	3	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	4	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	5	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	6	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	8	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	9	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	10	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	11	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	12	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	13	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	14	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	16	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	17	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	19	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	20	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	21	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	22	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	23	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	24	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	25	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	26	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	27	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	28	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	29	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	30	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	31	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	32	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	33	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	34	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	35	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	36	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	37	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	38	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	39	0.17
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	40	0.17
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	19	0.17
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	19	0.17
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	19	0.17
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	27	0.17
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	27	0.17
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	27	0.17
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	2	0.17
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	4	0.17
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	12	0.17
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	15	0.17
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	16	0.17
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	26	0.17
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	30	0.17
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	31	0.17
(3,786)	1:6:A:THR:H	1:6:A:THR:HG21	33	0.17
(3,786)	1:6:A:THR:H	1:6:A:THR:HG22	33	0.17
(3,786)	1:6:A:THR:H	1:6:A:THR:HG23	33	0.17
(3,783)	1:74:A:ASP:H	1:74:A:ASP:HB3	17	0.17
(3,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	5	0.17
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	20	0.17
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	21	0.17
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	26	0.17
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	32	0.17
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	36	0.17
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	40	0.17
(3,684)	1:23:A:GLU:H	1:23:A:GLU:HB3	3	0.17
(3,684)	1:23:A:GLU:H	1:23:A:GLU:HB3	5	0.17
(3,684)	1:23:A:GLU:H	1:23:A:GLU:HB3	20	0.17
(3,684)	1:23:A:GLU:H	1:23:A:GLU:HB3	23	0.17
(3,684)	1:23:A:GLU:H	1:23:A:GLU:HB3	26	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	4	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	6	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	7	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	11	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	15	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	17	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	19	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	20	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	21	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	22	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	23	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	24	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	25	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	28	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	32	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	33	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	34	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	35	0.17
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	36	0.17
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	17	0.17
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	19	0.17
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	20	0.17
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	31	0.17
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	32	0.17
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	34	0.17
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	3	0.17
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	9	0.17
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	10	0.17
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	13	0.17
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	20	0.17
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	21	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	22	0.17
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	23	0.17
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	24	0.17
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	25	0.17
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	26	0.17
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	32	0.17
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	34	0.17
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	35	0.17
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	36	0.17
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	40	0.17
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	4	0.17
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	4	0.17
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	30	0.17
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	30	0.17
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	32	0.17
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	32	0.17
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	37	0.17
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	3	0.17
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	10	0.17
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	17	0.17
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	22	0.17
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	23	0.17
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	25	0.17
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	26	0.17
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	29	0.17
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	30	0.17
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	32	0.17
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	33	0.17
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	35	0.17
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	36	0.17
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	11	0.17
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	20	0.17
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	22	0.17
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	23	0.17
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	27	0.17
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	17	0.17
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	32	0.17
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	37	0.17
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	38	0.17
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	6	0.17
(3,513)	1:67:A:THR:H	1:66:A:MET:HG3	12	0.17
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	5	0.17
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	9	0.17
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	11	0.17
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	13	0.17
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	18	0.17
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	23	0.17
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	25	0.17
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	27	0.17
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	30	0.17
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	32	0.17
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	6	0.17
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	20	0.17
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	27	0.17
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	28	0.17
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	36	0.17
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	4	0.17
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	25	0.17
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	38	0.17
(3,368)	1:18:A:ASN:H	1:17:A:GLN:HB3	37	0.17
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	2	0.17
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	30	0.17
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	17	0.17
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	6	0.17
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	21	0.17
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	6	0.17
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	6	0.17
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	6	0.17
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	19	0.17
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	19	0.17
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	19	0.17
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	20	0.17
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	20	0.17
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	20	0.17
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	4	0.17
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	7	0.17
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	15	0.17
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	17	0.17
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	18	0.17
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	20	0.17
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	25	0.17
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	26	0.17
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	30	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	32	0.17
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	34	0.17
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	37	0.17
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	40	0.17
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	4	0.17
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	4	0.17
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	26	0.17
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	33	0.17
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	36	0.17
(3,144)	1:101:A:LEU:H	1:100:A:GLU:HB2	22	0.17
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	2	0.17
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	16	0.17
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	24	0.17
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	29	0.17
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	33	0.17
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	8	0.17
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	37	0.17
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	38	0.17
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	24	0.17
(3,131)	1:39:A:ILE:H	1:39:A:ILE:HA	36	0.17
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	11	0.17
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	14	0.17
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	16	0.17
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	24	0.17
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	29	0.17
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	37	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	3	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	4	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	6	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	7	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	12	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	14	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	19	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	23	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	25	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	26	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	28	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	29	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	31	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	32	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	33	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	34	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	35	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	36	0.17
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	40	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	2	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	5	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	9	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	16	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	17	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	18	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	19	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	25	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	26	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	28	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	29	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	30	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	32	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	34	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	37	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	38	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	39	0.17
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	40	0.17
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	1	0.17
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	6	0.17
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	10	0.17
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	12	0.17
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	16	0.17
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	18	0.17
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	22	0.17
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	26	0.17
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	35	0.17
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	40	0.17
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	29	0.17
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	31	0.17
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	33	0.17
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	36	0.17
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	4	0.17
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	4	0.17
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	6	0.17
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	6	0.17
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	10	0.17
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	10	0.17
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	15	0.17
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	16	0.17
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	16	0.17
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	40	0.17
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	40	0.17
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	1	0.17
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	1	0.17
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	1	0.17
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	1	0.17
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	1	0.17
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	1	0.17
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	19	0.17
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	19	0.17
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	19	0.17
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	19	0.17
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	19	0.17
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	19	0.17
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	20	0.17
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	20	0.17
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	20	0.17
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	20	0.17
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	20	0.17
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	20	0.17
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	30	0.17
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	30	0.17
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	30	0.17
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	30	0.17
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	30	0.17
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	30	0.17
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	33	0.17
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	33	0.17
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	33	0.17
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	33	0.17
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	33	0.17
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	33	0.17
(1,3199)	1:43:A:TYR:HD1	1:80:A:SER:HB2	21	0.17
(1,3199)	1:43:A:TYR:HD2	1:80:A:SER:HB2	21	0.17
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	1	0.17
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	2	0.17
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	21	0.17
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	22	0.17
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	30	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	33	0.17
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	36	0.17
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	36	0.17
(1,3132)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	5	0.17
(1,3132)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	5	0.17
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	17	0.17
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	17	0.17
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	34	0.17
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	34	0.17
(1,3127)	1:55:A:TYR:HD1	1:49:A:LEU:HB2	22	0.17
(1,3127)	1:55:A:TYR:HD2	1:49:A:LEU:HB2	22	0.17
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	3	0.17
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	3	0.17
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	9	0.17
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	9	0.17
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	11	0.17
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	11	0.17
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	18	0.17
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	18	0.17
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	26	0.17
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	26	0.17
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	29	0.17
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	29	0.17
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	3	0.17
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	3	0.17
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	9	0.17
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	9	0.17
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	11	0.17
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	11	0.17
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	18	0.17
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	18	0.17
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	26	0.17
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	26	0.17
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	29	0.17
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	29	0.17
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	20	0.17
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	20	0.17
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	20	0.17
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	20	0.17
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	20	0.17
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	20	0.17
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	28	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	28	0.17
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	28	0.17
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	28	0.17
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	28	0.17
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	28	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	1	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	1	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	1	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	1	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	1	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	1	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	20	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	20	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	20	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	20	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	20	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	20	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	26	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	26	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	26	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	26	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	26	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	26	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	32	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	32	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	32	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	32	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	32	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	32	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	35	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	35	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	35	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	35	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	35	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	35	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	37	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	37	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	37	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	37	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	37	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	37	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	38	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	38	0.17
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	38	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	38	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	38	0.17
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	38	0.17
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	1	0.17
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	1	0.17
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	1	0.17
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	1	0.17
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	7	0.17
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	7	0.17
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	7	0.17
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	7	0.17
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	11	0.17
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	11	0.17
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	11	0.17
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	11	0.17
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	16	0.17
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	16	0.17
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	16	0.17
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	16	0.17
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	17	0.17
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	17	0.17
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	17	0.17
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	17	0.17
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	12	0.17
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	12	0.17
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	12	0.17
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	12	0.17
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	12	0.17
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	12	0.17
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	21	0.17
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	21	0.17
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	21	0.17
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	21	0.17
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	21	0.17
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	21	0.17
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	1	0.17
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	2	0.17
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	3	0.17
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	4	0.17
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	6	0.17
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	11	0.17
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	14	0.17
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	15	0.17
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	17	0.17
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	29	0.17
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	33	0.17
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	34	0.17
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	37	0.17
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	13	0.17
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	13	0.17
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	13	0.17
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	18	0.17
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	18	0.17
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	18	0.17
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	27	0.17
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	27	0.17
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	27	0.17
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	13	0.17
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	13	0.17
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	35	0.17
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	35	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	21	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	21	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	23	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	23	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	24	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	24	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	25	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	25	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	26	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	26	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	28	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	28	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	29	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	29	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	30	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	30	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	32	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	32	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	34	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	34	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	35	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	35	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	36	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	36	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	37	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	37	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	38	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	38	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	39	0.17
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	39	0.17
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	14	0.17
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	27	0.17
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	28	0.17
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	31	0.17
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	38	0.17
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	15	0.17
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	15	0.17
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	1	0.17
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	1	0.17
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	1	0.17
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	8	0.17
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	8	0.17
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	8	0.17
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	38	0.17
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	38	0.17
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	38	0.17
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	6	0.17
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	7	0.17
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	12	0.17
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	20	0.17
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	36	0.17
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	8	0.17
(1,2930)	1:17:A:GLN:HG2	1:18:A:ASN:H	8	0.17
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	9	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	1	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	2	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	4	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	9	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	10	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	11	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	12	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	18	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	20	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	21	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	22	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	23	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	25	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	27	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	28	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	29	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	30	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	31	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	32	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	33	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	34	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	36	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	38	0.17
(1,2907)	1:98:A:LYS:HE3	1:98:A:LYS:HD3	39	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	1	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	2	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	4	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	9	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	10	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	11	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	12	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	13	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	18	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	20	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	21	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	22	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	23	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	25	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	27	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	28	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	29	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	30	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	31	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	32	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	33	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	34	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	36	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	38	0.17
(1,2904)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	39	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	18	0.17
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	9	0.17
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	10	0.17
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	12	0.17
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	20	0.17
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	33	0.17
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	6	0.17
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	8	0.17
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	12	0.17
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	20	0.17
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	36	0.17
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	20	0.17
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	27	0.17
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	28	0.17
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	36	0.17
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	8	0.17
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	9	0.17
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	1	0.17
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	14	0.17
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	39	0.17
(1,2615)	1:74:A:ASP:HB3	1:74:A:ASP:H	17	0.17
(1,2598)	1:36:A:ASP:HB2	1:37:A:ASP:H	7	0.17
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	32	0.17
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	7	0.17
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	17	0.17
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	1	0.17
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	5	0.17
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	6	0.17
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	19	0.17
(1,2460)	1:4:A:PRO:HD3	1:3:A:ASP:HA	28	0.17
(1,2460)	1:4:A:PRO:HD3	1:3:A:ASP:HA	38	0.17
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	2	0.17
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	18	0.17
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	2	0.17
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	3	0.17
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	5	0.17
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	18	0.17
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	24	0.17
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	30	0.17
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	38	0.17
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	34	0.17
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	34	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	34	0.17
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	36	0.17
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	36	0.17
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	36	0.17
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	8	0.17
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	8	0.17
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	8	0.17
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	11	0.17
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	11	0.17
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	11	0.17
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	18	0.17
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	18	0.17
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	18	0.17
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	22	0.17
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	22	0.17
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	22	0.17
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	26	0.17
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	26	0.17
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	26	0.17
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	31	0.17
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	31	0.17
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	31	0.17
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	32	0.17
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	32	0.17
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	32	0.17
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	36	0.17
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	36	0.17
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	36	0.17
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	32	0.17
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	32	0.17
(1,2237)	1:18:A:ASN:HB2	1:18:A:ASN:H	37	0.17
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	13	0.17
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	31	0.17
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	3	0.17
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	3	0.17
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	3	0.17
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	10	0.17
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	10	0.17
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	10	0.17
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	13	0.17
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	13	0.17
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	24	0.17
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	24	0.17
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	24	0.17
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	29	0.17
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	29	0.17
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	29	0.17
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	33	0.17
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	33	0.17
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	33	0.17
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	36	0.17
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	36	0.17
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	36	0.17
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	40	0.17
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	40	0.17
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	40	0.17
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	17	0.17
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	17	0.17
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	17	0.17
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	17	0.17
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	17	0.17
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	17	0.17
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	17	0.17
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	17	0.17
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	17	0.17
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	10	0.17
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	10	0.17
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	10	0.17
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	14	0.17
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	14	0.17
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	14	0.17
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	19	0.17
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	19	0.17
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	19	0.17
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	1	0.17
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	1	0.17
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	1	0.17
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	1	0.17
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	1	0.17
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	1	0.17
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	1	0.17
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	1	0.17
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	4	0.17
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	4	0.17
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	4	0.17
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	18	0.17
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	18	0.17
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	18	0.17
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	21	0.17
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	21	0.17
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	21	0.17
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	22	0.17
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	22	0.17
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	22	0.17
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	31	0.17
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	31	0.17
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	31	0.17
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	35	0.17
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	35	0.17
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	35	0.17
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	13	0.17
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	13	0.17
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	13	0.17
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	17	0.17
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	17	0.17
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	17	0.17
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	17	0.17
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	17	0.17
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	17	0.17
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	22	0.17
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	22	0.17
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	22	0.17
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	22	0.17
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	22	0.17
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	22	0.17
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	25	0.17
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	25	0.17
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	25	0.17
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	25	0.17
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	25	0.17
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	25	0.17
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	34	0.17
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	34	0.17
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	34	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	34	0.17
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	34	0.17
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	34	0.17
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	17	0.17
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	17	0.17
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	17	0.17
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	17	0.17
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	30	0.17
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	30	0.17
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	30	0.17
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	36	0.17
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	36	0.17
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	36	0.17
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	37	0.17
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	37	0.17
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	37	0.17
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	1	0.17
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	9	0.17
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	12	0.17
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	16	0.17
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	40	0.17
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	36	0.17
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	36	0.17
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	36	0.17
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	29	0.17
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	29	0.17
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	29	0.17
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	1	0.17
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	1	0.17
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	1	0.17
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	7	0.17
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	7	0.17
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	7	0.17
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	13	0.17
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	13	0.17
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	13	0.17
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	21	0.17
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	21	0.17
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	21	0.17
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	23	0.17
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	23	0.17
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	23	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	24	0.17
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	24	0.17
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	24	0.17
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	36	0.17
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	36	0.17
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	36	0.17
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	1	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	1	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	2	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	4	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	9	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	10	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	11	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	12	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	13	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	18	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	20	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	21	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	22	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	23	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	25	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	27	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	28	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	29	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	30	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	31	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	32	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	33	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	34	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	36	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	38	0.17
(1,1808)	1:98:A:LYS:HD3	1:98:A:LYS:HE3	39	0.17
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	21	0.17
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	30	0.17
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	31	0.17
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	33	0.17
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	36	0.17
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	37	0.17
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	40	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	3	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	4	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	7	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	12	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	14	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	19	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	23	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	25	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	26	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	28	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	29	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	31	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	32	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	33	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	34	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	35	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	36	0.17
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	40	0.17
(1,1728)	1:48:A:GLU:HB2	1:48:A:GLU:H	20	0.17
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	7	0.17
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	7	0.17
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	7	0.17
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	7	0.17
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	7	0.17
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	7	0.17
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	7	0.17
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	7	0.17
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	7	0.17
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	31	0.17
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	31	0.17
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	31	0.17
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	31	0.17
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	31	0.17
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	31	0.17
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	31	0.17
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	31	0.17
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	31	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	1	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	1	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	1	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	1	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	1	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	1	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	1	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	1	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	19	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	19	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	19	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	19	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	19	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	19	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	19	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	19	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	19	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	20	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	20	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	20	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	20	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	20	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	20	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	20	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	20	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	20	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	21	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	21	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	21	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	21	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	21	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	21	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	21	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	21	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	21	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	27	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	27	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	27	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	27	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	27	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	27	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	27	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	27	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	27	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	33	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	33	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	33	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	33	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	33	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	33	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	33	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	33	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	33	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	36	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	36	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	36	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	36	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	36	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	36	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	36	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	36	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	36	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	38	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	38	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	38	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	38	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	38	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	38	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	38	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	38	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	38	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	40	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	40	0.17
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	40	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	40	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	40	0.17
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	40	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	40	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	40	0.17
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	40	0.17
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	23	0.17
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	23	0.17
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	23	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	5	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	5	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	5	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	5	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	5	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	5	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	5	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	5	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	6	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	6	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	6	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	6	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	6	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	6	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	6	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	6	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	6	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	9	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	9	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	9	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	9	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	9	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	9	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	9	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	9	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	9	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	16	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	16	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	16	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	16	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	16	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	16	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	16	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	16	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	16	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	39	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	39	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	39	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	39	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	39	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	39	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	39	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	39	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	39	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	40	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	40	0.17
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	40	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	40	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	40	0.17
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	40	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	40	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	40	0.17
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	40	0.17
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	28	0.17
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	28	0.17
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	28	0.17
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	35	0.17
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	35	0.17
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	35	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	8	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	8	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	8	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	11	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	11	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	11	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	13	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	13	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	13	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	14	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	14	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	14	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	17	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	17	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	17	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	18	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	18	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	18	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	19	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	19	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	19	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	20	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	20	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	20	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	21	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	21	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	21	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	22	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	22	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	22	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	23	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	23	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	23	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	24	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	24	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	24	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	25	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	25	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	25	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	27	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	27	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	27	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	30	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	30	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	30	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	34	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	34	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	34	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	39	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	39	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	39	0.17
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	40	0.17
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	40	0.17
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	40	0.17
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	20	0.17
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	20	0.17
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	20	0.17
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	20	0.17
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	20	0.17
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	20	0.17
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	28	0.17
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	28	0.17
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	28	0.17
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	28	0.17
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	28	0.17
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	28	0.17
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	31	0.17
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	31	0.17
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	31	0.17
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	31	0.17
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	31	0.17
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	31	0.17
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	37	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	37	0.17
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	37	0.17
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	37	0.17
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	37	0.17
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	37	0.17
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	20	0.17
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	20	0.17
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	20	0.17
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	23	0.17
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	23	0.17
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	23	0.17
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	27	0.17
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	27	0.17
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	27	0.17
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	37	0.17
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	37	0.17
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	37	0.17
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	17	0.17
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	17	0.17
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	17	0.17
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	21	0.17
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	21	0.17
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	21	0.17
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	23	0.17
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	23	0.17
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	23	0.17
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	24	0.17
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	24	0.17
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	24	0.17
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	25	0.17
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	25	0.17
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	25	0.17
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	28	0.17
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	28	0.17
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	28	0.17
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	32	0.17
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	32	0.17
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	32	0.17
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	38	0.17
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	38	0.17
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	38	0.17
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	39	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	39	0.17
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	39	0.17
(1,1543)	1:2:A:ILE:HG12	1:2:A:ILE:HA	36	0.17
(1,1543)	1:2:A:ILE:HG12	1:2:A:ILE:HA	37	0.17
(1,1530)	1:2:A:ILE:HG21	1:2:A:ILE:HA	8	0.17
(1,1530)	1:2:A:ILE:HG22	1:2:A:ILE:HA	8	0.17
(1,1530)	1:2:A:ILE:HG23	1:2:A:ILE:HA	8	0.17
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	1	0.17
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	1	0.17
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	1	0.17
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	14	0.17
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	14	0.17
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	14	0.17
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	22	0.17
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	22	0.17
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	22	0.17
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	38	0.17
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	38	0.17
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	38	0.17
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	17	0.17
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	17	0.17
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	17	0.17
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	9	0.17
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	9	0.17
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	9	0.17
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	9	0.17
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	9	0.17
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	9	0.17
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	13	0.17
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	13	0.17
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	13	0.17
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	13	0.17
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	13	0.17
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	13	0.17
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	16	0.17
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	16	0.17
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	16	0.17
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	16	0.17
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	16	0.17
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	16	0.17
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	17	0.17
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	17	0.17
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	17	0.17
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	17	0.17
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	17	0.17
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	32	0.17
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	32	0.17
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	32	0.17
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	32	0.17
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	32	0.17
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	32	0.17
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	1	0.17
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	1	0.17
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	1	0.17
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	5	0.17
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	5	0.17
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	5	0.17
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	30	0.17
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	30	0.17
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	30	0.17
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	34	0.17
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	34	0.17
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	34	0.17
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	6	0.17
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	6	0.17
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	6	0.17
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	19	0.17
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	19	0.17
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	19	0.17
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	15	0.17
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	15	0.17
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	15	0.17
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	17	0.17
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	17	0.17
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	17	0.17
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	25	0.17
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	25	0.17
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	25	0.17
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	26	0.17
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	26	0.17
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	26	0.17
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	30	0.17
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	30	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	30	0.17
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	34	0.17
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	34	0.17
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	34	0.17
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	35	0.17
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	35	0.17
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	35	0.17
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	36	0.17
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	36	0.17
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	36	0.17
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	39	0.17
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	39	0.17
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	39	0.17
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	9	0.17
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	9	0.17
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	9	0.17
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	14	0.17
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	14	0.17
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	14	0.17
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	21	0.17
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	21	0.17
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	21	0.17
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	34	0.17
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	34	0.17
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	34	0.17
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	4	0.17
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	4	0.17
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	4	0.17
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	11	0.17
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	11	0.17
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	11	0.17
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	16	0.17
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	16	0.17
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	16	0.17
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	23	0.17
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	23	0.17
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	23	0.17
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	31	0.17
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	31	0.17
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	31	0.17
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	35	0.17
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	35	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	35	0.17
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	39	0.17
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	39	0.17
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	39	0.17
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	40	0.17
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	40	0.17
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	40	0.17
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	1	0.17
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	1	0.17
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	1	0.17
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	2	0.17
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	2	0.17
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	2	0.17
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	7	0.17
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	7	0.17
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	7	0.17
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	10	0.17
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	10	0.17
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	10	0.17
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	16	0.17
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	16	0.17
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	16	0.17
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	20	0.17
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	20	0.17
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	20	0.17
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	1	0.17
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	1	0.17
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	1	0.17
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	5	0.17
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	5	0.17
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	5	0.17
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	8	0.17
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	8	0.17
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	8	0.17
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	9	0.17
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	9	0.17
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	9	0.17
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	10	0.17
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	10	0.17
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	10	0.17
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	13	0.17
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	13	0.17
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	15	0.17
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	15	0.17
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	15	0.17
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	17	0.17
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	17	0.17
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	17	0.17
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	23	0.17
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	23	0.17
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	23	0.17
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	28	0.17
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	28	0.17
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	28	0.17
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	32	0.17
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	32	0.17
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	32	0.17
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	34	0.17
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	34	0.17
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	34	0.17
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	39	0.17
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	39	0.17
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	39	0.17
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	2	0.17
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	2	0.17
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	2	0.17
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	17	0.17
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	17	0.17
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	17	0.17
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	22	0.17
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	22	0.17
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	22	0.17
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	26	0.17
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	26	0.17
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	26	0.17
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	29	0.17
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	29	0.17
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	29	0.17
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	20	0.17
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	20	0.17
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	20	0.17
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	21	0.17
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	21	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	21	0.17
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	35	0.17
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	35	0.17
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	35	0.17
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	27	0.17
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	27	0.17
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	27	0.17
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	3	0.17
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	3	0.17
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	3	0.17
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	3	0.17
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	3	0.17
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	3	0.17
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	3	0.17
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	3	0.17
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	3	0.17
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	3	0.17
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	3	0.17
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	3	0.17
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	3	0.17
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	3	0.17
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	3	0.17
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	3	0.17
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	3	0.17
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	3	0.17
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	13	0.17
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	22	0.17
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	26	0.17
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	31	0.17
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	38	0.17
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	2	0.17
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	2	0.17
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	2	0.17
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	4	0.17
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	4	0.17
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	4	0.17
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	8	0.17
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	8	0.17
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	8	0.17
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	10	0.17
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	10	0.17
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	12	0.17
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	12	0.17
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	12	0.17
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	27	0.17
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	27	0.17
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	27	0.17
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	2	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	3	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	3	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	3	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	14	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	14	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	14	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	15	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	15	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	15	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	18	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	18	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	18	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	26	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	26	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	26	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	40	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	40	0.17
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	40	0.17
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	3	0.17
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	3	0.17
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	3	0.17
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	14	0.17
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	14	0.17
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	14	0.17
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	15	0.17
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	15	0.17
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	15	0.17
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	18	0.17
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	18	0.17
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	18	0.17
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	26	0.17
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	26	0.17
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	26	0.17
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	40	0.17
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	40	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	40	0.17
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	14	0.17
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	14	0.17
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	14	0.17
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	14	0.17
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	14	0.17
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	14	0.17
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	14	0.17
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	14	0.17
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	14	0.17
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	6	0.17
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	6	0.17
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	6	0.17
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	19	0.17
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	19	0.17
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	19	0.17
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	20	0.17
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	20	0.17
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	20	0.17
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	6	0.17
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	6	0.17
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	6	0.17
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	19	0.17
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	19	0.17
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	19	0.17
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	20	0.17
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	20	0.17
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	20	0.17
(1,1257)	1:67:A:THR:HG21	1:26:A:SER:HB2	1	0.17
(1,1257)	1:67:A:THR:HG22	1:26:A:SER:HB2	1	0.17
(1,1257)	1:67:A:THR:HG23	1:26:A:SER:HB2	1	0.17
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	5	0.17
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	5	0.17
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	5	0.17
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	23	0.17
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	23	0.17
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	23	0.17
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	34	0.17
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	34	0.17
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	34	0.17
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	36	0.17
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	36	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	36	0.17
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	13	0.17
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	13	0.17
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	13	0.17
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	15	0.17
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	15	0.17
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	15	0.17
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	20	0.17
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	20	0.17
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	20	0.17
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	27	0.17
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	27	0.17
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	27	0.17
(1,1236)	1:13:A:THR:HG21	1:34:A:SER:HB3	24	0.17
(1,1236)	1:13:A:THR:HG22	1:34:A:SER:HB3	24	0.17
(1,1236)	1:13:A:THR:HG23	1:34:A:SER:HB3	24	0.17
(1,1226)	1:101:A:LEU:H	1:22:A:SER:HA	9	0.17
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	3	0.17
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	6	0.17
(1,1191)	1:25:A:GLN:HE22	1:25:A:GLN:HB3	7	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	18	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	18	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	18	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	19	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	19	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	19	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	20	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	20	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	20	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	23	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	23	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	23	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	25	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	25	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	25	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	27	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	27	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	27	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	30	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	30	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	30	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	35	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	35	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	35	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	36	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	36	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	36	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	37	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	37	0.17
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	37	0.17
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	11	0.17
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	27	0.17
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	30	0.17
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG11	7	0.17
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG12	7	0.17
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG13	7	0.17
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	11	0.17
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	18	0.17
(1,1174)	1:91:A:ALA:H	1:84:A:ARG:HA	4	0.17
(1,1174)	1:91:A:ALA:H	1:84:A:ARG:HA	8	0.17
(1,1169)	1:14:A:LYS:H	1:14:A:LYS:HD2	7	0.17
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	7	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	6	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	6	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	14	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	14	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	16	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	16	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	22	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	22	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	25	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	25	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	28	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	28	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	31	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	31	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	32	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	32	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	33	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	33	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	34	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	34	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	37	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	37	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	39	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	39	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	40	0.17
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	40	0.17
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	2	0.17
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	16	0.17
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	24	0.17
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	29	0.17
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	33	0.17
(1,1125)	1:78:A:VAL:H	1:44:A:LYS:HE2	2	0.17
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	3	0.17
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	6	0.17
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	10	0.17
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	11	0.17
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	12	0.17
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	14	0.17
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	15	0.17
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	18	0.17
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	19	0.17
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	36	0.17
(1,1064)	1:71:A:VAL:H	1:25:A:GLN:H	17	0.17
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	38	0.17
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	7	0.17
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	15	0.17
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	34	0.17
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	15	0.17
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	29	0.17
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	32	0.17
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	38	0.17
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	4	0.17
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	13	0.17
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	24	0.17
(1,919)	1:37:A:ASP:H	1:36:A:ASP:HB2	7	0.17
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	3	0.17
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	9	0.17
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	26	0.17
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	5	0.17
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	6	0.17
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	9	0.17
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	12	0.17
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	13	0.17
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	23	0.17
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	24	0.17
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	25	0.17
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	26	0.17
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	28	0.17
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	29	0.17
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	37	0.17
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	39	0.17
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	7	0.17
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	29	0.17
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	1	0.17
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	1	0.17
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	1	0.17
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	4	0.17
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	4	0.17
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	4	0.17
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	8	0.17
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	8	0.17
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	8	0.17
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	19	0.17
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	19	0.17
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	19	0.17
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	27	0.17
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	27	0.17
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	27	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	3	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	4	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	5	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	6	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	8	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	9	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	10	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	11	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	12	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	13	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	14	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	16	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	17	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	18	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	19	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	20	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	21	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	22	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	23	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	24	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	25	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	26	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	27	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	28	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	29	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	30	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	31	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	32	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	33	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	34	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	35	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	36	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	37	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	38	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	39	0.17
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	40	0.17
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	19	0.17
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	19	0.17
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	19	0.17
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	27	0.17
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	27	0.17
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	27	0.17
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	2	0.17
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	4	0.17
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	12	0.17
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	15	0.17
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	16	0.17
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	26	0.17
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	30	0.17
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	31	0.17
(1,786)	1:6:A:THR:H	1:6:A:THR:HG21	33	0.17
(1,786)	1:6:A:THR:H	1:6:A:THR:HG22	33	0.17
(1,786)	1:6:A:THR:H	1:6:A:THR:HG23	33	0.17
(1,783)	1:74:A:ASP:H	1:74:A:ASP:HB3	17	0.17
(1,739)	1:15:A:ARG:H	1:14:A:LYS:HB2	5	0.17
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	14	0.17
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	20	0.17
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	21	0.17
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	26	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	32	0.17
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	36	0.17
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	40	0.17
(1,684)	1:23:A:GLU:H	1:23:A:GLU:HB3	3	0.17
(1,684)	1:23:A:GLU:H	1:23:A:GLU:HB3	5	0.17
(1,684)	1:23:A:GLU:H	1:23:A:GLU:HB3	20	0.17
(1,684)	1:23:A:GLU:H	1:23:A:GLU:HB3	23	0.17
(1,684)	1:23:A:GLU:H	1:23:A:GLU:HB3	26	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	4	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	6	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	7	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	11	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	15	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	17	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	19	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	20	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	21	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	22	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	23	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	24	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	25	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	28	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	32	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	33	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	34	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	35	0.17
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	36	0.17
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	3	0.17
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	9	0.17
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	10	0.17
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	13	0.17
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	20	0.17
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	21	0.17
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	22	0.17
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	23	0.17
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	24	0.17
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	25	0.17
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	26	0.17
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	32	0.17
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	34	0.17
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	35	0.17
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	36	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	40	0.17
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	4	0.17
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	4	0.17
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	30	0.17
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	30	0.17
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	32	0.17
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	32	0.17
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	37	0.17
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	3	0.17
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	10	0.17
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	17	0.17
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	22	0.17
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	23	0.17
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	25	0.17
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	26	0.17
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	29	0.17
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	30	0.17
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	32	0.17
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	33	0.17
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	35	0.17
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	36	0.17
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	11	0.17
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	20	0.17
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	22	0.17
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	23	0.17
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	27	0.17
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	17	0.17
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	32	0.17
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	37	0.17
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	38	0.17
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	6	0.17
(1,513)	1:67:A:THR:H	1:66:A:MET:HG3	12	0.17
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	1	0.17
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	5	0.17
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	9	0.17
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	11	0.17
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	13	0.17
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	18	0.17
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	23	0.17
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	25	0.17
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	27	0.17
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	30	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	32	0.17
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	6	0.17
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	20	0.17
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	27	0.17
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	28	0.17
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	36	0.17
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	4	0.17
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	25	0.17
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	38	0.17
(1,368)	1:18:A:ASN:H	1:17:A:GLN:HB3	37	0.17
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	2	0.17
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	30	0.17
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	17	0.17
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	6	0.17
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	21	0.17
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	6	0.17
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	6	0.17
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	6	0.17
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	19	0.17
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	19	0.17
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	19	0.17
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	20	0.17
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	20	0.17
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	20	0.17
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	4	0.17
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	7	0.17
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	15	0.17
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	17	0.17
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	18	0.17
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	20	0.17
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	25	0.17
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	26	0.17
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	30	0.17
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	32	0.17
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	34	0.17
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	37	0.17
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	40	0.17
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	4	0.17
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	4	0.17
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	26	0.17
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	33	0.17
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	36	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	33	0.17
(1,142)	1:101:A:LEU:H	1:100:A:GLU:HB2	22	0.17
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	2	0.17
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	16	0.17
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	24	0.17
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	29	0.17
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	33	0.17
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	8	0.17
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	37	0.17
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	38	0.17
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	24	0.17
(1,129)	1:39:A:ILE:H	1:39:A:ILE:HA	36	0.17
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	11	0.17
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	14	0.17
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	16	0.17
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	24	0.17
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	29	0.17
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	37	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	3	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	4	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	6	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	7	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	12	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	14	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	19	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	23	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	25	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	26	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	28	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	29	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	31	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	32	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	33	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	34	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	35	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	36	0.17
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	40	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	2	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	5	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	9	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	16	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	18	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	19	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	25	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	26	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	28	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	29	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	30	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	32	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	34	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	37	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	38	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	39	0.17
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	40	0.17
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	1	0.17
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	6	0.17
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	10	0.17
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	12	0.17
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	16	0.17
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	18	0.17
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	22	0.17
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	26	0.17
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	35	0.17
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	40	0.17
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	6	0.17
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	7	0.17
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	12	0.17
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	13	0.17
(1,22)	1:89:A:GLY:H	1:85:A:LEU:H	4	0.17
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	29	0.17
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	31	0.17
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	33	0.17
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	36	0.17
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	3	0.16
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	3	0.16
(3,3217)	1:69:A:HIS:HE1	1:67:A:THR:HB	23	0.16
(3,3217)	1:69:A:HIS:HE1	1:67:A:THR:HB	25	0.16
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	8	0.16
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	8	0.16
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	14	0.16
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	14	0.16
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	39	0.16
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	39	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	6	0.16
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	6	0.16
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	6	0.16
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	6	0.16
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	6	0.16
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	6	0.16
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	35	0.16
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	35	0.16
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	35	0.16
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	35	0.16
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	35	0.16
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	35	0.16
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	39	0.16
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	39	0.16
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	39	0.16
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	39	0.16
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	39	0.16
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	39	0.16
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	4	0.16
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	4	0.16
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	4	0.16
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	4	0.16
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	19	0.16
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	19	0.16
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	19	0.16
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	19	0.16
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	24	0.16
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	24	0.16
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	24	0.16
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	24	0.16
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	29	0.16
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	29	0.16
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	29	0.16
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	29	0.16
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	19	0.16
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	24	0.16
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	35	0.16
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	38	0.16
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	39	0.16
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	29	0.16
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	29	0.16
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	29	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3164)	1:42:A:TRP:HD1	1:41:A:THR:HA	16	0.16
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	25	0.16
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	25	0.16
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	30	0.16
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	30	0.16
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	4	0.16
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	4	0.16
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	18	0.16
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	18	0.16
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	25	0.16
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	25	0.16
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	32	0.16
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	32	0.16
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	14	0.16
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	14	0.16
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	2	0.16
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	2	0.16
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	8	0.16
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	8	0.16
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	16	0.16
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	16	0.16
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	23	0.16
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	23	0.16
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	32	0.16
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	32	0.16
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	38	0.16
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	38	0.16
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	39	0.16
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	39	0.16
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	2	0.16
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	2	0.16
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	8	0.16
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	8	0.16
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	16	0.16
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	16	0.16
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	23	0.16
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	23	0.16
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	32	0.16
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	32	0.16
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	38	0.16
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	38	0.16
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	39	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	39	0.16
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	9	0.16
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	9	0.16
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	9	0.16
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	9	0.16
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	9	0.16
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	9	0.16
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	13	0.16
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	13	0.16
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	13	0.16
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	13	0.16
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	13	0.16
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	13	0.16
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	17	0.16
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	17	0.16
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	17	0.16
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	17	0.16
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	17	0.16
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	17	0.16
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	26	0.16
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	26	0.16
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	26	0.16
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	26	0.16
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	26	0.16
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	26	0.16
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	35	0.16
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	35	0.16
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	35	0.16
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	35	0.16
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	35	0.16
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	35	0.16
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	2	0.16
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	2	0.16
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	2	0.16
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	2	0.16
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	2	0.16
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	2	0.16
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	8	0.16
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	8	0.16
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	8	0.16
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	8	0.16
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	8	0.16
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	9	0.16
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	9	0.16
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	9	0.16
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	9	0.16
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	9	0.16
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	9	0.16
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	13	0.16
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	13	0.16
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	13	0.16
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	13	0.16
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	13	0.16
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	13	0.16
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	18	0.16
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	18	0.16
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	18	0.16
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	18	0.16
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	18	0.16
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	18	0.16
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	32	0.16
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	32	0.16
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	32	0.16
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	32	0.16
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	19	0.16
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	19	0.16
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	19	0.16
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	19	0.16
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	19	0.16
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	19	0.16
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	29	0.16
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	29	0.16
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	29	0.16
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	29	0.16
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	29	0.16
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	29	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	9	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	10	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	13	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	21	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	22	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	23	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	24	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	25	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	26	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	27	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	28	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	30	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	31	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	32	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	35	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	36	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	38	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	39	0.16
(3,3094)	1:88:A:ARG:HD2	1:88:A:ARG:HA	40	0.16
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	8	0.16
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	8	0.16
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	8	0.16
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	29	0.16
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	29	0.16
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	29	0.16
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	32	0.16
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	32	0.16
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	37	0.16
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	37	0.16
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	3	0.16
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	18	0.16
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	22	0.16
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	2	0.16
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	2	0.16
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	3	0.16
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	3	0.16
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	1	0.16
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	1	0.16
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	1	0.16
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	14	0.16
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	35	0.16
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	14	0.16
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	14	0.16
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	14	0.16
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	29	0.16
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	29	0.16
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	29	0.16
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	30	0.16
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	30	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	30	0.16
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	14	0.16
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	24	0.16
(3,2970)	1:44:A:LYS:HE2	1:44:A:LYS:HG3	20	0.16
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	25	0.16
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	25	0.16
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	30	0.16
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	30	0.16
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	15	0.16
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	29	0.16
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	13	0.16
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	20	0.16
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	27	0.16
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	28	0.16
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	29	0.16
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	1	0.16
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	3	0.16
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	5	0.16
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	7	0.16
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	8	0.16
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	15	0.16
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	16	0.16
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	26	0.16
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	29	0.16
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	36	0.16
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	4	0.16
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	6	0.16
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	15	0.16
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	29	0.16
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	33	0.16
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	1	0.16
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	5	0.16
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	9	0.16
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	10	0.16
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	33	0.16
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	37	0.16
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	8	0.16
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	13	0.16
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	15	0.16
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	22	0.16
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	23	0.16
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	25	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	26	0.16
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	29	0.16
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	30	0.16
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	35	0.16
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	38	0.16
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	39	0.16
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	4	0.16
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	5	0.16
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	18	0.16
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	19	0.16
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	27	0.16
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	4	0.16
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	10	0.16
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	11	0.16
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	12	0.16
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	28	0.16
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	30	0.16
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	6	0.16
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	6	0.16
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	6	0.16
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	7	0.16
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	7	0.16
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	7	0.16
(3,2602)	1:36:A:ASP:HB2	1:37:A:ASP:H	31	0.16
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	18	0.16
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	28	0.16
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	16	0.16
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	11	0.16
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	3	0.16
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	4	0.16
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	8	0.16
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	14	0.16
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	16	0.16
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	17	0.16
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	1	0.16
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	4	0.16
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	9	0.16
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	10	0.16
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	12	0.16
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	15	0.16
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	16	0.16
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	18	0.16
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	35	0.16
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	1	0.16
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	4	0.16
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	9	0.16
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	10	0.16
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	12	0.16
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	15	0.16
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	16	0.16
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	17	0.16
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	18	0.16
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	35	0.16
(3,2463)	1:4:A:PRO:HD3	1:3:A:ASP:HA	3	0.16
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	19	0.16
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	13	0.16
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	31	0.16
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	33	0.16
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	35	0.16
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	36	0.16
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	9	0.16
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	9	0.16
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	9	0.16
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	13	0.16
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	13	0.16
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	13	0.16
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	14	0.16
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	14	0.16
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	14	0.16
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	18	0.16
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	18	0.16
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	18	0.16
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	27	0.16
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	27	0.16
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	27	0.16
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	32	0.16
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	32	0.16
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	32	0.16
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	15	0.16
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	15	0.16
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	15	0.16
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	35	0.16
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	35	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	35	0.16
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	5	0.16
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	13	0.16
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	16	0.16
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	38	0.16
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	3	0.16
(3,2289)	1:96:A:GLU:HG2	1:97:A:LEU:H	5	0.16
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	14	0.16
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	14	0.16
(3,2218)	1:56:A:ASN:HA	1:56:A:ASN:HD21	7	0.16
(3,2173)	1:43:A:TYR:HA	1:80:A:SER:H	8	0.16
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	21	0.16
(3,2102)	1:40:A:VAL:HG21	1:83:A:ALA:HA	24	0.16
(3,2102)	1:40:A:VAL:HG22	1:83:A:ALA:HA	24	0.16
(3,2102)	1:40:A:VAL:HG23	1:83:A:ALA:HA	24	0.16
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	5	0.16
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	5	0.16
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	5	0.16
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	27	0.16
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	27	0.16
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	27	0.16
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	37	0.16
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	37	0.16
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	37	0.16
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	8	0.16
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	8	0.16
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	8	0.16
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	8	0.16
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	8	0.16
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	8	0.16
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	8	0.16
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	8	0.16
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	8	0.16
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	13	0.16
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	13	0.16
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	13	0.16
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	13	0.16
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	13	0.16
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	13	0.16
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	13	0.16
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	13	0.16
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	18	0.16
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	18	0.16
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	18	0.16
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	18	0.16
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	18	0.16
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	18	0.16
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	18	0.16
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	18	0.16
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	18	0.16
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	15	0.16
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	15	0.16
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	15	0.16
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	15	0.16
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	15	0.16
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	15	0.16
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	9	0.16
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	9	0.16
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	9	0.16
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	26	0.16
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	26	0.16
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	26	0.16
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	32	0.16
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	32	0.16
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	32	0.16
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	14	0.16
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	14	0.16
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	14	0.16
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	29	0.16
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	29	0.16
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	29	0.16
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	20	0.16
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	20	0.16
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	20	0.16
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	20	0.16
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	20	0.16
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	20	0.16
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	35	0.16
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	35	0.16
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	35	0.16
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	35	0.16
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	35	0.16
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	35	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	1	0.16
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	11	0.16
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	22	0.16
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	25	0.16
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	30	0.16
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	36	0.16
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	37	0.16
(3,2008)	1:28:A:THR:HG21	1:30:A:GLU:HG3	19	0.16
(3,2008)	1:28:A:THR:HG22	1:30:A:GLU:HG3	19	0.16
(3,2008)	1:28:A:THR:HG23	1:30:A:GLU:HG3	19	0.16
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	11	0.16
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	11	0.16
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	11	0.16
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	16	0.16
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	16	0.16
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	16	0.16
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	35	0.16
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	35	0.16
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	35	0.16
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	20	0.16
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	20	0.16
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	20	0.16
(3,1969)	1:36:A:ASP:HB3	1:62:A:ARG:HA	7	0.16
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	6	0.16
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	10	0.16
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	24	0.16
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB1	5	0.16
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB2	5	0.16
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB3	5	0.16
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB1	5	0.16
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB2	5	0.16
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB3	5	0.16
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB1	5	0.16
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB2	5	0.16
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB3	5	0.16
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	1	0.16
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	1	0.16
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	1	0.16
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	25	0.16
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	25	0.16
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	25	0.16
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	34	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	34	0.16
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	34	0.16
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	1	0.16
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	1	0.16
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	1	0.16
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	2	0.16
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	2	0.16
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	2	0.16
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	3	0.16
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	3	0.16
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	3	0.16
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	4	0.16
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	4	0.16
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	4	0.16
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	7	0.16
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	7	0.16
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	7	0.16
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	9	0.16
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	9	0.16
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	9	0.16
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	11	0.16
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	11	0.16
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	11	0.16
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	16	0.16
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	16	0.16
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	16	0.16
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	19	0.16
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	19	0.16
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	19	0.16
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	24	0.16
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	24	0.16
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	24	0.16
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	27	0.16
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	27	0.16
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	27	0.16
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	35	0.16
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	35	0.16
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	35	0.16
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	36	0.16
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	36	0.16
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	36	0.16
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	38	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	38	0.16
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	38	0.16
(3,1864)	1:7:A:ALA:HB1	1:88:A:ARG:HA	8	0.16
(3,1864)	1:7:A:ALA:HB2	1:88:A:ARG:HA	8	0.16
(3,1864)	1:7:A:ALA:HB3	1:88:A:ARG:HA	8	0.16
(3,1864)	1:7:A:ALA:HB1	1:88:A:ARG:HA	32	0.16
(3,1864)	1:7:A:ALA:HB2	1:88:A:ARG:HA	32	0.16
(3,1864)	1:7:A:ALA:HB3	1:88:A:ARG:HA	32	0.16
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	2	0.16
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	2	0.16
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	2	0.16
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	3	0.16
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	3	0.16
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	3	0.16
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	11	0.16
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	11	0.16
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	11	0.16
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	12	0.16
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	12	0.16
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	12	0.16
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	16	0.16
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	16	0.16
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	16	0.16
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	19	0.16
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	19	0.16
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	19	0.16
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	22	0.16
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	22	0.16
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	22	0.16
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	26	0.16
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	26	0.16
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	26	0.16
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	27	0.16
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	27	0.16
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	27	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	4	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	5	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	6	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	7	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	8	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	9	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	13	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	19	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	21	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	22	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	23	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	25	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	29	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	30	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	31	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	32	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	36	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	38	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	39	0.16
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	40	0.16
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	1	0.16
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	5	0.16
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	8	0.16
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	10	0.16
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	13	0.16
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	16	0.16
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	20	0.16
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	37	0.16
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	14	0.16
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	14	0.16
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	14	0.16
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	14	0.16
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	14	0.16
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	14	0.16
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	14	0.16
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	14	0.16
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	14	0.16
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	21	0.16
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	21	0.16
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	21	0.16
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	21	0.16
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	21	0.16
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	21	0.16
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	21	0.16
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	21	0.16
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	21	0.16
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	38	0.16
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	38	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	38	0.16
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	38	0.16
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	38	0.16
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	38	0.16
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	38	0.16
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	38	0.16
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	38	0.16
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	39	0.16
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	39	0.16
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	39	0.16
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	39	0.16
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	39	0.16
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	39	0.16
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	39	0.16
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	39	0.16
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	39	0.16
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	15	0.16
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	15	0.16
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	15	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	2	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	2	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	2	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	2	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	2	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	2	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	2	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	2	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	2	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	5	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	5	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	5	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	5	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	5	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	5	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	5	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	5	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	5	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	10	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	10	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	10	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	10	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	10	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	10	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	10	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	10	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	13	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	13	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	13	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	13	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	13	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	13	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	13	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	13	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	13	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	28	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	28	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	28	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	28	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	28	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	28	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	28	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	28	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	28	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	29	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	29	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	29	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	29	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	29	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	29	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	29	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	29	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	29	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	30	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	30	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	30	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	30	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	30	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	30	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	30	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	30	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	30	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	35	0.16
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	35	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	35	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	35	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	35	0.16
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	35	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	35	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	35	0.16
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	35	0.16
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	26	0.16
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	26	0.16
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	26	0.16
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	33	0.16
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	33	0.16
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	33	0.16
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	35	0.16
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	35	0.16
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	35	0.16
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	37	0.16
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	37	0.16
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	37	0.16
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	8	0.16
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	8	0.16
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	8	0.16
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	8	0.16
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	8	0.16
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	8	0.16
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	8	0.16
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	8	0.16
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	8	0.16
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	12	0.16
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	12	0.16
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	12	0.16
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	12	0.16
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	12	0.16
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	12	0.16
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	12	0.16
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	12	0.16
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	12	0.16
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	13	0.16
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	13	0.16
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	13	0.16
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	13	0.16
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	13	0.16
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	13	0.16
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	13	0.16
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	13	0.16
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	14	0.16
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	14	0.16
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	14	0.16
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	14	0.16
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	14	0.16
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	14	0.16
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	14	0.16
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	14	0.16
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	14	0.16
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	2	0.16
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	2	0.16
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	2	0.16
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	18	0.16
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	18	0.16
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	18	0.16
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	23	0.16
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	23	0.16
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	23	0.16
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	2	0.16
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	2	0.16
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	2	0.16
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	15	0.16
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	15	0.16
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	15	0.16
(3,1623)	1:82:A:ILE:HD11	1:82:A:ILE:HA	32	0.16
(3,1623)	1:82:A:ILE:HD12	1:82:A:ILE:HA	32	0.16
(3,1623)	1:82:A:ILE:HD13	1:82:A:ILE:HA	32	0.16
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	29	0.16
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	29	0.16
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	29	0.16
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	9	0.16
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	9	0.16
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	9	0.16
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	9	0.16
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	9	0.16
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	9	0.16
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	13	0.16
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	13	0.16
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	13	0.16
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	13	0.16
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	13	0.16
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	17	0.16
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	17	0.16
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	17	0.16
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	17	0.16
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	17	0.16
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	17	0.16
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	26	0.16
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	26	0.16
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	26	0.16
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	26	0.16
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	26	0.16
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	26	0.16
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	35	0.16
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	35	0.16
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	35	0.16
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	35	0.16
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	35	0.16
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	35	0.16
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	13	0.16
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	13	0.16
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	13	0.16
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	13	0.16
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	13	0.16
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	13	0.16
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	17	0.16
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	17	0.16
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	17	0.16
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	17	0.16
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	17	0.16
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	17	0.16
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	19	0.16
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	19	0.16
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	19	0.16
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	19	0.16
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	19	0.16
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	19	0.16
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	20	0.16
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	20	0.16
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	20	0.16
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	20	0.16
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	20	0.16
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	27	0.16
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	27	0.16
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	27	0.16
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	27	0.16
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	27	0.16
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	27	0.16
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	30	0.16
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	30	0.16
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	30	0.16
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	30	0.16
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	30	0.16
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	30	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	1	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	1	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	1	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	2	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	2	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	2	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	13	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	13	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	13	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	25	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	25	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	25	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	33	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	33	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	33	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	38	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	38	0.16
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	38	0.16
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	1	0.16
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	1	0.16
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	1	0.16
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	2	0.16
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	2	0.16
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	2	0.16
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	4	0.16
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	4	0.16
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	5	0.16
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	5	0.16
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	5	0.16
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	9	0.16
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	9	0.16
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	9	0.16
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	18	0.16
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	18	0.16
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	18	0.16
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	19	0.16
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	19	0.16
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	19	0.16
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	20	0.16
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	20	0.16
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	20	0.16
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	27	0.16
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	27	0.16
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	27	0.16
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	31	0.16
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	31	0.16
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	31	0.16
(3,1547)	1:2:A:ILE:HG12	1:2:A:ILE:HA	8	0.16
(3,1547)	1:2:A:ILE:HG12	1:2:A:ILE:HA	10	0.16
(3,1547)	1:2:A:ILE:HG12	1:2:A:ILE:HA	14	0.16
(3,1547)	1:2:A:ILE:HG12	1:2:A:ILE:HA	17	0.16
(3,1547)	1:2:A:ILE:HG12	1:2:A:ILE:HA	30	0.16
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	13	0.16
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	13	0.16
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	13	0.16
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	19	0.16
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	19	0.16
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	19	0.16
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	36	0.16
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	36	0.16
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	36	0.16
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	29	0.16
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	29	0.16
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	29	0.16
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	20	0.16
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	20	0.16
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	20	0.16
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	20	0.16
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	20	0.16
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	25	0.16
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	25	0.16
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	25	0.16
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	25	0.16
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	25	0.16
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	25	0.16
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	30	0.16
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	30	0.16
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	30	0.16
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	30	0.16
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	30	0.16
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	30	0.16
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	36	0.16
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	36	0.16
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	36	0.16
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	36	0.16
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	36	0.16
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	36	0.16
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	37	0.16
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	37	0.16
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	37	0.16
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	37	0.16
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	37	0.16
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	37	0.16
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	38	0.16
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	38	0.16
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	38	0.16
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	38	0.16
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	38	0.16
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	38	0.16
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	9	0.16
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	9	0.16
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	9	0.16
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	22	0.16
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	22	0.16
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	22	0.16
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	36	0.16
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	36	0.16
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	36	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	12	0.16
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	12	0.16
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	12	0.16
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	24	0.16
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	24	0.16
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	24	0.16
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	33	0.16
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	33	0.16
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	33	0.16
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	40	0.16
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	40	0.16
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	40	0.16
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	9	0.16
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	9	0.16
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	9	0.16
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	10	0.16
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	10	0.16
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	10	0.16
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	20	0.16
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	20	0.16
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	20	0.16
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	23	0.16
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	23	0.16
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	23	0.16
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	32	0.16
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	32	0.16
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	32	0.16
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	40	0.16
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	40	0.16
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	40	0.16
(3,1474)	1:78:A:VAL:HG21	1:79:A:TYR:H	29	0.16
(3,1474)	1:78:A:VAL:HG22	1:79:A:TYR:H	29	0.16
(3,1474)	1:78:A:VAL:HG23	1:79:A:TYR:H	29	0.16
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	38	0.16
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	38	0.16
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	38	0.16
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	10	0.16
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	10	0.16
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	10	0.16
(3,1466)	1:71:A:VAL:HG21	1:70:A:ASN:H	4	0.16
(3,1466)	1:71:A:VAL:HG22	1:70:A:ASN:H	4	0.16
(3,1466)	1:71:A:VAL:HG23	1:70:A:ASN:H	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	3	0.16
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	3	0.16
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	3	0.16
(3,1414)	1:20:A:VAL:HG11	1:20:A:VAL:H	12	0.16
(3,1414)	1:20:A:VAL:HG12	1:20:A:VAL:H	12	0.16
(3,1414)	1:20:A:VAL:HG13	1:20:A:VAL:H	12	0.16
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	2	0.16
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	2	0.16
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	2	0.16
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	3	0.16
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	3	0.16
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	3	0.16
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	5	0.16
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	5	0.16
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	5	0.16
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	12	0.16
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	12	0.16
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	12	0.16
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	14	0.16
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	14	0.16
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	14	0.16
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	24	0.16
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	24	0.16
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	24	0.16
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	25	0.16
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	25	0.16
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	25	0.16
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	30	0.16
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	30	0.16
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	30	0.16
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	32	0.16
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	32	0.16
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	32	0.16
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	5	0.16
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	5	0.16
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	5	0.16
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	7	0.16
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	7	0.16
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	7	0.16
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	11	0.16
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	11	0.16
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	15	0.16
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	15	0.16
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	15	0.16
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	21	0.16
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	21	0.16
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	21	0.16
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	31	0.16
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	31	0.16
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	31	0.16
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	33	0.16
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	33	0.16
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	33	0.16
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	8	0.16
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	8	0.16
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	8	0.16
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	18	0.16
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	18	0.16
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	18	0.16
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	17	0.16
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	17	0.16
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	17	0.16
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	32	0.16
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	32	0.16
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	32	0.16
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	30	0.16
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	30	0.16
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	30	0.16
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	30	0.16
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	30	0.16
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	30	0.16
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	30	0.16
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	30	0.16
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	30	0.16
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	36	0.16
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	36	0.16
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	36	0.16
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	36	0.16
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	36	0.16
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	36	0.16
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	36	0.16
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	36	0.16
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	36	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	30	0.16
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	30	0.16
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	30	0.16
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	30	0.16
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	30	0.16
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	30	0.16
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	30	0.16
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	30	0.16
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	30	0.16
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	36	0.16
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	36	0.16
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	36	0.16
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	36	0.16
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	36	0.16
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	36	0.16
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	36	0.16
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	36	0.16
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	36	0.16
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	1	0.16
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	2	0.16
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	4	0.16
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	5	0.16
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	10	0.16
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	17	0.16
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	20	0.16
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	30	0.16
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	35	0.16
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	40	0.16
(3,1364)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	16	0.16
(3,1364)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	16	0.16
(3,1364)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	16	0.16
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	5	0.16
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	11	0.16
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	18	0.16
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	9	0.16
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	9	0.16
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	9	0.16
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	17	0.16
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	17	0.16
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	17	0.16
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	25	0.16
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	25	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	25	0.16
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	35	0.16
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	35	0.16
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	35	0.16
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	38	0.16
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	38	0.16
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	38	0.16
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	9	0.16
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	9	0.16
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	9	0.16
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	17	0.16
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	17	0.16
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	17	0.16
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	25	0.16
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	25	0.16
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	25	0.16
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	35	0.16
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	35	0.16
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	35	0.16
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	38	0.16
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	38	0.16
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	38	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	2	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	2	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	2	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	2	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	2	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	2	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	2	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	2	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	2	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	3	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	3	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	3	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	3	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	3	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	3	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	3	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	3	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	3	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	8	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	8	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	8	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	8	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	8	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	8	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	8	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	8	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	10	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	10	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	10	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	10	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	10	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	10	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	10	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	10	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	10	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	15	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	15	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	15	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	15	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	15	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	15	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	15	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	15	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	15	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	19	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	19	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	19	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	19	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	19	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	19	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	19	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	19	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	19	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	26	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	26	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	26	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	26	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	26	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	26	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	26	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	26	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	26	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	27	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	27	0.16
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	27	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	27	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	27	0.16
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	27	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	27	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	27	0.16
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	27	0.16
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	6	0.16
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	6	0.16
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	6	0.16
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	28	0.16
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	28	0.16
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	28	0.16
(3,1261)	1:67:A:THR:HG21	1:26:A:SER:HB2	7	0.16
(3,1261)	1:67:A:THR:HG22	1:26:A:SER:HB2	7	0.16
(3,1261)	1:67:A:THR:HG23	1:26:A:SER:HB2	7	0.16
(3,1261)	1:67:A:THR:HG21	1:26:A:SER:HB2	31	0.16
(3,1261)	1:67:A:THR:HG22	1:26:A:SER:HB2	31	0.16
(3,1261)	1:67:A:THR:HG23	1:26:A:SER:HB2	31	0.16
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	1	0.16
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	1	0.16
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	1	0.16
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	8	0.16
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	8	0.16
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	8	0.16
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	17	0.16
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	17	0.16
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	17	0.16
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	25	0.16
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	25	0.16
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	25	0.16
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	38	0.16
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	38	0.16
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	38	0.16
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	10	0.16
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	10	0.16
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	10	0.16
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	14	0.16
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	14	0.16
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	26	0.16
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	26	0.16
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	26	0.16
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	36	0.16
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	36	0.16
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	36	0.16
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	37	0.16
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	37	0.16
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	37	0.16
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	34	0.16
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	34	0.16
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	34	0.16
(3,1240)	1:13:A:THR:HG21	1:34:A:SER:HB3	17	0.16
(3,1240)	1:13:A:THR:HG22	1:34:A:SER:HB3	17	0.16
(3,1240)	1:13:A:THR:HG23	1:34:A:SER:HB3	17	0.16
(3,1221)	1:69:A:HIS:H	1:56:A:ASN:H	19	0.16
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	2	0.16
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	2	0.16
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	2	0.16
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	11	0.16
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	11	0.16
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	11	0.16
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	36	0.16
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	36	0.16
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	36	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	3	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	3	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	3	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	21	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	21	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	21	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	29	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	29	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	29	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	31	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	31	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	31	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	32	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	32	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	32	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	38	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	38	0.16
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	38	0.16
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	4	0.16
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG11	9	0.16
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG12	9	0.16
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG13	9	0.16
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	19	0.16
(3,1178)	1:91:A:ALA:H	1:84:A:ARG:HA	1	0.16
(3,1178)	1:91:A:ALA:H	1:84:A:ARG:HA	17	0.16
(3,1178)	1:91:A:ALA:H	1:84:A:ARG:HA	18	0.16
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	1	0.16
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	1	0.16
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	2	0.16
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	2	0.16
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	20	0.16
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	20	0.16
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	27	0.16
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	27	0.16
(3,1152)	1:54:A:LYS:H	1:53:A:GLN:HG3	22	0.16
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	4	0.16
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	40	0.16
(3,1126)	1:78:A:VAL:H	1:44:A:LYS:HE2	20	0.16
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	5	0.16
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	12	0.16
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	15	0.16
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	39	0.16
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	1	0.16
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	6	0.16
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	9	0.16
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	11	0.16
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	34	0.16
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	19	0.16
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	19	0.16
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	19	0.16
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	2	0.16
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	11	0.16
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	20	0.16
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	25	0.16
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	27	0.16
(3,920)	1:37:A:ASP:H	1:36:A:ASP:HB2	31	0.16
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	2	0.16
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	22	0.16
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	25	0.16
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	29	0.16
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	7	0.16
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	10	0.16
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	11	0.16
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	15	0.16
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	20	0.16
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	21	0.16
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	32	0.16
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	33	0.16
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	36	0.16
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	11	0.16
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	12	0.16
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	14	0.16
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	17	0.16
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	23	0.16
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	25	0.16
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	28	0.16
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	5	0.16
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	5	0.16
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	5	0.16
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	1	0.16
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	2	0.16
(3,847)	1:83:A:ALA:H	1:83:A:ALA:HA	15	0.16
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	10	0.16
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	3	0.16
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	10	0.16
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	24	0.16
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	27	0.16
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	29	0.16
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	33	0.16
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	38	0.16
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	40	0.16
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	1	0.16
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	4	0.16
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	6	0.16
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	10	0.16
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	13	0.16
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	15	0.16
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	17	0.16
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	23	0.16
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	24	0.16
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	29	0.16
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	31	0.16
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	39	0.16
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	4	0.16
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	6	0.16
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	15	0.16
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	29	0.16
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	33	0.16
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	29	0.16
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	34	0.16
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	1	0.16
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	2	0.16
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	5	0.16
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	8	0.16
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	10	0.16
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	12	0.16
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	14	0.16
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	16	0.16
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	29	0.16
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	39	0.16
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	40	0.16
(3,591)	1:3:A:ASP:H	1:3:A:ASP:HA	13	0.16
(3,591)	1:3:A:ASP:H	1:3:A:ASP:HA	34	0.16
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	1	0.16
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	13	0.16
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	22	0.16
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	39	0.16
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	4	0.16
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	8	0.16
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	14	0.16
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	15	0.16
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	16	0.16
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	27	0.16
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	28	0.16
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	38	0.16
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	2	0.16
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	2	0.16
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	8	0.16
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	8	0.16
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	21	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	21	0.16
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	22	0.16
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	22	0.16
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	33	0.16
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	33	0.16
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	34	0.16
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	34	0.16
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	15	0.16
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	4	0.16
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	15	0.16
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	16	0.16
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	38	0.16
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	39	0.16
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	40	0.16
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	4	0.16
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	33	0.16
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	35	0.16
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	38	0.16
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	39	0.16
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	1	0.16
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	12	0.16
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	17	0.16
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	28	0.16
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	29	0.16
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	30	0.16
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	18	0.16
(3,525)	1:99:A:GLY:H	1:100:A:GLU:H	31	0.16
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	22	0.16
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	31	0.16
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	34	0.16
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	36	0.16
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	9	0.16
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	19	0.16
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	28	0.16
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	31	0.16
(3,410)	1:96:A:GLU:H	1:18:A:ASN:HD21	17	0.16
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	8	0.16
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	13	0.16
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	15	0.16
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	22	0.16
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	23	0.16
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	25	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	26	0.16
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	29	0.16
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	30	0.16
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	35	0.16
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	38	0.16
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	39	0.16
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	22	0.16
(3,393)	1:77:A:GLY:H	1:96:A:GLU:HA	20	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	5	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	5	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	5	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	8	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	8	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	8	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	10	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	10	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	10	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	14	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	14	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	14	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	30	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	30	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	30	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	31	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	31	0.16
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	31	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	2	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	2	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	2	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	3	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	3	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	3	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	5	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	5	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	5	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	12	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	12	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	12	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	14	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	14	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	14	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	24	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	24	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	24	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	25	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	25	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	25	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	30	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	30	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	30	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	32	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	32	0.16
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	32	0.16
(3,368)	1:18:A:ASN:H	1:17:A:GLN:HB3	29	0.16
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	9	0.16
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	13	0.16
(3,314)	1:63:A:CYS:H	1:64:A:HIS:HD2	31	0.16
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	1	0.16
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	11	0.16
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	22	0.16
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	25	0.16
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	30	0.16
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	36	0.16
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	37	0.16
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	10	0.16
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	16	0.16
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	1	0.16
(3,235)	1:13:A:THR:H	1:12:A:PHE:HB2	9	0.16
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	12	0.16
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	12	0.16
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	4	0.16
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	16	0.16
(3,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	21	0.16
(3,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	24	0.16
(3,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	25	0.16
(3,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	32	0.16
(3,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	35	0.16
(3,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	40	0.16
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	4	0.16
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	40	0.16
(3,135)	1:39:A:ILE:H	1:39:A:ILE:HG13	7	0.16
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	1	0.16
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	5	0.16
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	10	0.16
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	13	0.16
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	16	0.16
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	20	0.16
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	37	0.16
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	10	0.16
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	11	0.16
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	12	0.16
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	13	0.16
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	14	0.16
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	20	0.16
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	21	0.16
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	23	0.16
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	24	0.16
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	35	0.16
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	36	0.16
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	7	0.16
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	14	0.16
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	17	0.16
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	25	0.16
(3,25)	1:89:A:GLY:H	1:88:A:ARG:HB3	4	0.16
(3,25)	1:89:A:GLY:H	1:88:A:ARG:HB3	5	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	1	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	2	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	3	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	4	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	5	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	7	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	8	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	9	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	10	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	12	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	13	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	14	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	16	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	17	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	20	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	21	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	22	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	23	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	24	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	25	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	26	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	27	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	28	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	30	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	32	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	34	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	35	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	37	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	38	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	39	0.16
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	40	0.16
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	3	0.16
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	3	0.16
(1,3211)	1:69:A:HIS:HE1	1:67:A:THR:HB	23	0.16
(1,3211)	1:69:A:HIS:HE1	1:67:A:THR:HB	25	0.16
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	8	0.16
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	8	0.16
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	14	0.16
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	14	0.16
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	39	0.16
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	39	0.16
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	6	0.16
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	6	0.16
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	6	0.16
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	6	0.16
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	6	0.16
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	6	0.16
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	35	0.16
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	35	0.16
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	35	0.16
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	35	0.16
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	35	0.16
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	35	0.16
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	39	0.16
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	39	0.16
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	39	0.16
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	39	0.16
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	39	0.16
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	39	0.16
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	4	0.16
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	4	0.16
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	4	0.16
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	19	0.16
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	19	0.16
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	19	0.16
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	19	0.16
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	24	0.16
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	24	0.16
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	24	0.16
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	24	0.16
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	29	0.16
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	29	0.16
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	29	0.16
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	29	0.16
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	19	0.16
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	24	0.16
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	35	0.16
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	38	0.16
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	39	0.16
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	29	0.16
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	29	0.16
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	29	0.16
(1,3158)	1:42:A:TRP:HD1	1:41:A:THR:HA	16	0.16
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	25	0.16
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	25	0.16
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	30	0.16
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	30	0.16
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	4	0.16
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	4	0.16
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	18	0.16
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	18	0.16
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	25	0.16
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	25	0.16
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	32	0.16
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	32	0.16
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	14	0.16
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	14	0.16
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	2	0.16
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	2	0.16
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	8	0.16
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	8	0.16
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	16	0.16
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	23	0.16
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	23	0.16
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	32	0.16
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	32	0.16
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	38	0.16
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	38	0.16
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	39	0.16
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	39	0.16
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	2	0.16
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	2	0.16
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	8	0.16
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	8	0.16
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	16	0.16
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	16	0.16
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	23	0.16
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	23	0.16
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	32	0.16
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	32	0.16
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	38	0.16
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	38	0.16
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	39	0.16
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	39	0.16
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	9	0.16
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	9	0.16
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	9	0.16
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	9	0.16
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	9	0.16
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	9	0.16
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	13	0.16
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	13	0.16
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	13	0.16
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	13	0.16
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	13	0.16
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	13	0.16
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	17	0.16
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	17	0.16
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	17	0.16
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	17	0.16
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	17	0.16
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	17	0.16
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	26	0.16
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	26	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	26	0.16
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	26	0.16
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	26	0.16
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	26	0.16
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	35	0.16
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	35	0.16
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	35	0.16
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	35	0.16
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	35	0.16
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	35	0.16
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	2	0.16
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	2	0.16
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	2	0.16
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	2	0.16
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	2	0.16
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	2	0.16
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	8	0.16
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	8	0.16
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	8	0.16
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	8	0.16
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	8	0.16
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	8	0.16
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	9	0.16
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	9	0.16
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	9	0.16
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	9	0.16
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	9	0.16
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	9	0.16
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	13	0.16
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	13	0.16
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	13	0.16
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	13	0.16
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	13	0.16
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	13	0.16
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	18	0.16
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	18	0.16
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	18	0.16
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	18	0.16
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	18	0.16
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	18	0.16
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	32	0.16
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	32	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	32	0.16
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	32	0.16
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	19	0.16
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	19	0.16
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	19	0.16
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	19	0.16
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	19	0.16
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	19	0.16
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	29	0.16
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	29	0.16
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	29	0.16
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	29	0.16
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	29	0.16
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	29	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	9	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	10	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	13	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	21	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	22	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	23	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	24	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	25	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	26	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	27	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	28	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	30	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	31	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	32	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	35	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	36	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	38	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	39	0.16
(1,3088)	1:88:A:ARG:HD2	1:88:A:ARG:HA	40	0.16
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	8	0.16
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	8	0.16
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	8	0.16
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	29	0.16
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	29	0.16
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	29	0.16
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	32	0.16
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	32	0.16
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	37	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	37	0.16
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB2	31	0.16
(1,3069)	1:87:A:PRO:HD2	1:86:A:GLU:HB3	31	0.16
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	3	0.16
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	18	0.16
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	22	0.16
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	2	0.16
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	2	0.16
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	3	0.16
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	3	0.16
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	1	0.16
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	1	0.16
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	1	0.16
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	14	0.16
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	35	0.16
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	14	0.16
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	14	0.16
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	14	0.16
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	29	0.16
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	29	0.16
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	29	0.16
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	30	0.16
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	30	0.16
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	30	0.16
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	14	0.16
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	24	0.16
(1,2962)	1:44:A:LYS:HE2	1:44:A:LYS:HG3	20	0.16
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	25	0.16
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	25	0.16
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	30	0.16
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	30	0.16
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	15	0.16
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	29	0.16
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	13	0.16
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	20	0.16
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	27	0.16
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	28	0.16
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	29	0.16
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	1	0.16
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	3	0.16
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	5	0.16
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	8	0.16
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	15	0.16
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	16	0.16
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	26	0.16
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	29	0.16
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	36	0.16
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	4	0.16
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	6	0.16
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	15	0.16
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	29	0.16
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	33	0.16
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	1	0.16
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	5	0.16
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	9	0.16
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	10	0.16
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	33	0.16
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	37	0.16
(1,2745)	1:86:A:GLU:HG2	1:86:A:GLU:H	17	0.16
(1,2745)	1:86:A:GLU:HG3	1:86:A:GLU:H	17	0.16
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	8	0.16
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	13	0.16
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	15	0.16
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	22	0.16
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	23	0.16
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	25	0.16
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	26	0.16
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	29	0.16
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	30	0.16
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	35	0.16
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	38	0.16
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	39	0.16
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	4	0.16
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	5	0.16
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	18	0.16
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	19	0.16
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	27	0.16
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	4	0.16
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	10	0.16
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	11	0.16
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	12	0.16
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	28	0.16
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	30	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	6	0.16
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	6	0.16
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	6	0.16
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	7	0.16
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	7	0.16
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	7	0.16
(1,2598)	1:36:A:ASP:HB2	1:37:A:ASP:H	31	0.16
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	18	0.16
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	28	0.16
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	16	0.16
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	11	0.16
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	3	0.16
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	4	0.16
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	8	0.16
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	14	0.16
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	16	0.16
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	17	0.16
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	1	0.16
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	4	0.16
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	9	0.16
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	10	0.16
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	12	0.16
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	15	0.16
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	16	0.16
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	17	0.16
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	18	0.16
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	35	0.16
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	1	0.16
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	4	0.16
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	9	0.16
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	10	0.16
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	12	0.16
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	15	0.16
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	16	0.16
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	17	0.16
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	18	0.16
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	35	0.16
(1,2460)	1:4:A:PRO:HD3	1:3:A:ASP:HA	3	0.16
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	19	0.16
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	13	0.16
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	31	0.16
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	33	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	35	0.16
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	36	0.16
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	9	0.16
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	9	0.16
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	9	0.16
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	13	0.16
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	13	0.16
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	13	0.16
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	14	0.16
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	14	0.16
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	14	0.16
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	18	0.16
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	18	0.16
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	18	0.16
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	27	0.16
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	27	0.16
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	27	0.16
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	32	0.16
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	32	0.16
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	32	0.16
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	15	0.16
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	15	0.16
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	15	0.16
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	35	0.16
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	35	0.16
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	35	0.16
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	5	0.16
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	13	0.16
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	16	0.16
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	38	0.16
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	3	0.16
(1,2286)	1:96:A:GLU:HG2	1:97:A:LEU:H	5	0.16
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	14	0.16
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	14	0.16
(1,2215)	1:56:A:ASN:HA	1:56:A:ASN:HD21	7	0.16
(1,2170)	1:43:A:TYR:HA	1:80:A:SER:H	8	0.16
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	21	0.16
(1,2099)	1:40:A:VAL:HG21	1:83:A:ALA:HA	24	0.16
(1,2099)	1:40:A:VAL:HG22	1:83:A:ALA:HA	24	0.16
(1,2099)	1:40:A:VAL:HG23	1:83:A:ALA:HA	24	0.16
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	5	0.16
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	5	0.16
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	27	0.16
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	27	0.16
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	27	0.16
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	37	0.16
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	37	0.16
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	37	0.16
(1,2087)	1:85:A:LEU:HD11	1:39:A:ILE:H	4	0.16
(1,2087)	1:85:A:LEU:HD12	1:39:A:ILE:H	4	0.16
(1,2087)	1:85:A:LEU:HD13	1:39:A:ILE:H	4	0.16
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	8	0.16
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	8	0.16
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	8	0.16
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	8	0.16
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	8	0.16
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	8	0.16
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	8	0.16
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	8	0.16
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	8	0.16
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	13	0.16
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	13	0.16
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	13	0.16
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	13	0.16
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	13	0.16
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	13	0.16
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	13	0.16
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	13	0.16
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	13	0.16
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	18	0.16
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	18	0.16
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	18	0.16
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	18	0.16
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	18	0.16
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	18	0.16
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	18	0.16
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	18	0.16
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	18	0.16
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	12	0.16
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	12	0.16
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	12	0.16
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	15	0.16
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	15	0.16
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	17	0.16
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	17	0.16
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	17	0.16
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	15	0.16
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	15	0.16
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	15	0.16
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	15	0.16
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	15	0.16
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	15	0.16
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	9	0.16
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	9	0.16
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	9	0.16
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	26	0.16
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	26	0.16
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	26	0.16
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	32	0.16
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	32	0.16
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	32	0.16
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	14	0.16
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	14	0.16
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	14	0.16
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	29	0.16
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	29	0.16
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	29	0.16
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	20	0.16
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	20	0.16
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	20	0.16
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	20	0.16
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	20	0.16
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	20	0.16
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	35	0.16
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	35	0.16
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	35	0.16
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	35	0.16
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	35	0.16
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	35	0.16
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	1	0.16
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	11	0.16
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	22	0.16
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	25	0.16
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	30	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	36	0.16
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	37	0.16
(1,2005)	1:28:A:THR:HG21	1:30:A:GLU:HG3	19	0.16
(1,2005)	1:28:A:THR:HG22	1:30:A:GLU:HG3	19	0.16
(1,2005)	1:28:A:THR:HG23	1:30:A:GLU:HG3	19	0.16
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	11	0.16
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	11	0.16
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	11	0.16
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	16	0.16
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	16	0.16
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	16	0.16
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	35	0.16
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	35	0.16
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	35	0.16
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	20	0.16
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	20	0.16
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	20	0.16
(1,1966)	1:36:A:ASP:HB3	1:62:A:ARG:HA	7	0.16
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	6	0.16
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	10	0.16
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	24	0.16
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB1	5	0.16
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB2	5	0.16
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB3	5	0.16
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB1	5	0.16
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB2	5	0.16
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB3	5	0.16
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB1	5	0.16
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB2	5	0.16
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB3	5	0.16
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	1	0.16
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	1	0.16
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	1	0.16
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	25	0.16
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	25	0.16
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	25	0.16
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	34	0.16
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	34	0.16
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	34	0.16
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	1	0.16
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	1	0.16
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	2	0.16
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	2	0.16
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	2	0.16
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	3	0.16
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	3	0.16
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	3	0.16
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	4	0.16
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	4	0.16
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	4	0.16
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	7	0.16
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	7	0.16
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	7	0.16
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	9	0.16
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	9	0.16
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	9	0.16
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	11	0.16
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	11	0.16
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	11	0.16
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	16	0.16
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	16	0.16
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	16	0.16
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	19	0.16
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	19	0.16
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	19	0.16
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	24	0.16
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	24	0.16
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	24	0.16
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	27	0.16
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	27	0.16
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	27	0.16
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	35	0.16
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	35	0.16
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	35	0.16
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	36	0.16
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	36	0.16
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	36	0.16
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	38	0.16
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	38	0.16
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	38	0.16
(1,1861)	1:7:A:ALA:HB1	1:88:A:ARG:HA	8	0.16
(1,1861)	1:7:A:ALA:HB2	1:88:A:ARG:HA	8	0.16
(1,1861)	1:7:A:ALA:HB3	1:88:A:ARG:HA	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1861)	1:7:A:ALA:HB1	1:88:A:ARG:HA	32	0.16
(1,1861)	1:7:A:ALA:HB2	1:88:A:ARG:HA	32	0.16
(1,1861)	1:7:A:ALA:HB3	1:88:A:ARG:HA	32	0.16
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	2	0.16
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	2	0.16
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	2	0.16
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	3	0.16
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	3	0.16
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	3	0.16
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	11	0.16
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	11	0.16
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	11	0.16
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	12	0.16
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	12	0.16
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	12	0.16
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	16	0.16
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	16	0.16
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	16	0.16
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	19	0.16
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	19	0.16
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	19	0.16
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	22	0.16
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	22	0.16
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	22	0.16
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	26	0.16
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	26	0.16
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	26	0.16
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	27	0.16
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	27	0.16
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	27	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	4	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	5	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	6	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	7	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	8	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	9	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	10	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	13	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	19	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	21	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	22	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	23	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	25	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	29	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	30	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	31	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	32	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	36	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	38	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	39	0.16
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	40	0.16
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	1	0.16
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	5	0.16
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	8	0.16
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	10	0.16
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	13	0.16
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	16	0.16
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	20	0.16
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	37	0.16
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	14	0.16
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	14	0.16
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	14	0.16
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	14	0.16
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	14	0.16
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	14	0.16
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	14	0.16
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	14	0.16
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	14	0.16
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	21	0.16
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	21	0.16
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	21	0.16
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	21	0.16
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	21	0.16
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	21	0.16
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	21	0.16
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	21	0.16
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	21	0.16
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	38	0.16
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	38	0.16
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	38	0.16
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	38	0.16
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	38	0.16
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	38	0.16
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	38	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	38	0.16
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	38	0.16
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	39	0.16
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	39	0.16
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	39	0.16
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	39	0.16
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	39	0.16
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	39	0.16
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	39	0.16
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	39	0.16
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	39	0.16
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	15	0.16
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	15	0.16
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	15	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	2	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	2	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	2	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	2	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	2	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	2	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	2	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	2	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	2	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	5	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	5	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	5	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	5	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	5	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	5	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	5	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	5	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	5	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	10	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	10	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	10	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	10	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	10	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	10	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	10	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	10	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	10	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	13	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	13	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	13	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	13	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	13	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	13	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	13	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	13	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	28	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	28	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	28	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	28	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	28	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	28	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	28	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	28	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	28	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	29	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	29	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	29	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	29	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	29	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	29	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	29	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	29	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	29	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	30	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	30	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	30	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	30	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	30	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	30	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	30	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	30	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	30	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	35	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	35	0.16
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	35	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	35	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	35	0.16
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	35	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	35	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	35	0.16
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	35	0.16
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	26	0.16
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	26	0.16
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	26	0.16
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	33	0.16
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	33	0.16
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	33	0.16
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	35	0.16
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	35	0.16
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	35	0.16
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	37	0.16
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	37	0.16
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	37	0.16
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	8	0.16
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	8	0.16
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	8	0.16
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	8	0.16
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	8	0.16
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	8	0.16
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	8	0.16
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	8	0.16
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	8	0.16
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	12	0.16
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	12	0.16
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	12	0.16
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	12	0.16
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	12	0.16
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	12	0.16
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	12	0.16
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	12	0.16
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	12	0.16
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	13	0.16
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	13	0.16
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	13	0.16
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	13	0.16
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	13	0.16
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	13	0.16
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	13	0.16
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	13	0.16
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	13	0.16
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	14	0.16
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	14	0.16
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	14	0.16
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	14	0.16
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	14	0.16
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	14	0.16
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	14	0.16
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	14	0.16
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	2	0.16
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	2	0.16
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	2	0.16
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	18	0.16
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	18	0.16
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	18	0.16
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	23	0.16
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	23	0.16
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	23	0.16
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	2	0.16
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	2	0.16
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	2	0.16
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	15	0.16
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	15	0.16
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	15	0.16
(1,1619)	1:82:A:ILE:HD11	1:82:A:ILE:HA	32	0.16
(1,1619)	1:82:A:ILE:HD12	1:82:A:ILE:HA	32	0.16
(1,1619)	1:82:A:ILE:HD13	1:82:A:ILE:HA	32	0.16
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	29	0.16
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	29	0.16
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	29	0.16
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	9	0.16
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	9	0.16
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	9	0.16
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	9	0.16
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	9	0.16
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	9	0.16
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	13	0.16
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	13	0.16
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	13	0.16
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	13	0.16
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	13	0.16
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	13	0.16
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	17	0.16
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	17	0.16
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	17	0.16
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	17	0.16
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	17	0.16
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	26	0.16
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	26	0.16
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	26	0.16
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	26	0.16
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	26	0.16
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	26	0.16
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	35	0.16
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	35	0.16
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	35	0.16
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	35	0.16
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	35	0.16
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	35	0.16
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	13	0.16
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	13	0.16
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	13	0.16
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	13	0.16
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	13	0.16
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	13	0.16
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	17	0.16
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	17	0.16
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	17	0.16
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	17	0.16
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	17	0.16
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	17	0.16
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	19	0.16
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	19	0.16
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	19	0.16
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	19	0.16
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	19	0.16
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	19	0.16
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	20	0.16
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	20	0.16
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	20	0.16
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	20	0.16
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	20	0.16
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	20	0.16
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	27	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	27	0.16
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	27	0.16
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	27	0.16
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	27	0.16
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	27	0.16
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	30	0.16
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	30	0.16
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	30	0.16
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	30	0.16
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	30	0.16
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	30	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	1	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	1	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	1	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	2	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	2	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	2	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	13	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	13	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	13	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	25	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	25	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	25	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	33	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	33	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	33	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	38	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	38	0.16
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	38	0.16
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	1	0.16
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	1	0.16
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	1	0.16
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	2	0.16
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	2	0.16
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	2	0.16
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	4	0.16
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	4	0.16
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	4	0.16
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	5	0.16
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	5	0.16
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	5	0.16
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	9	0.16
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	9	0.16
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	18	0.16
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	18	0.16
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	18	0.16
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	19	0.16
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	19	0.16
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	19	0.16
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	20	0.16
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	20	0.16
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	20	0.16
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	27	0.16
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	27	0.16
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	27	0.16
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	31	0.16
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	31	0.16
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	31	0.16
(1,1543)	1:2:A:ILE:HG12	1:2:A:ILE:HA	8	0.16
(1,1543)	1:2:A:ILE:HG12	1:2:A:ILE:HA	10	0.16
(1,1543)	1:2:A:ILE:HG12	1:2:A:ILE:HA	14	0.16
(1,1543)	1:2:A:ILE:HG12	1:2:A:ILE:HA	17	0.16
(1,1543)	1:2:A:ILE:HG12	1:2:A:ILE:HA	30	0.16
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	13	0.16
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	13	0.16
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	13	0.16
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	19	0.16
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	19	0.16
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	19	0.16
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	36	0.16
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	36	0.16
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	36	0.16
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	29	0.16
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	29	0.16
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	29	0.16
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	20	0.16
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	20	0.16
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	20	0.16
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	20	0.16
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	20	0.16
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	20	0.16
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	25	0.16
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	25	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	25	0.16
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	25	0.16
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	25	0.16
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	25	0.16
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	30	0.16
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	30	0.16
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	30	0.16
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	30	0.16
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	30	0.16
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	30	0.16
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	36	0.16
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	36	0.16
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	36	0.16
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	36	0.16
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	36	0.16
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	36	0.16
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	37	0.16
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	37	0.16
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	37	0.16
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	37	0.16
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	37	0.16
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	37	0.16
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	38	0.16
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	38	0.16
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	38	0.16
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	38	0.16
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	38	0.16
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	38	0.16
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	9	0.16
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	9	0.16
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	9	0.16
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	22	0.16
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	22	0.16
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	22	0.16
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	36	0.16
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	36	0.16
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	36	0.16
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	12	0.16
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	12	0.16
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	12	0.16
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	24	0.16
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	24	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	24	0.16
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	33	0.16
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	33	0.16
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	33	0.16
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	40	0.16
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	40	0.16
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	40	0.16
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	9	0.16
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	9	0.16
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	9	0.16
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	10	0.16
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	10	0.16
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	10	0.16
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	20	0.16
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	20	0.16
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	20	0.16
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	23	0.16
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	23	0.16
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	23	0.16
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	32	0.16
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	32	0.16
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	32	0.16
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	40	0.16
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	40	0.16
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	40	0.16
(1,1470)	1:78:A:VAL:HG21	1:79:A:TYR:H	29	0.16
(1,1470)	1:78:A:VAL:HG22	1:79:A:TYR:H	29	0.16
(1,1470)	1:78:A:VAL:HG23	1:79:A:TYR:H	29	0.16
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	38	0.16
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	38	0.16
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	38	0.16
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	10	0.16
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	10	0.16
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	10	0.16
(1,1462)	1:71:A:VAL:HG21	1:70:A:ASN:H	4	0.16
(1,1462)	1:71:A:VAL:HG22	1:70:A:ASN:H	4	0.16
(1,1462)	1:71:A:VAL:HG23	1:70:A:ASN:H	4	0.16
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	3	0.16
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	3	0.16
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	3	0.16
(1,1410)	1:20:A:VAL:HG11	1:20:A:VAL:H	12	0.16
(1,1410)	1:20:A:VAL:HG12	1:20:A:VAL:H	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:20:A:VAL:HG13	1:20:A:VAL:H	12	0.16
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	2	0.16
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	2	0.16
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	2	0.16
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	3	0.16
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	3	0.16
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	3	0.16
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	5	0.16
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	5	0.16
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	5	0.16
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	12	0.16
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	12	0.16
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	12	0.16
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	14	0.16
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	14	0.16
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	14	0.16
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	24	0.16
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	24	0.16
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	24	0.16
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	25	0.16
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	25	0.16
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	25	0.16
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	30	0.16
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	30	0.16
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	30	0.16
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	32	0.16
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	32	0.16
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	32	0.16
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	5	0.16
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	5	0.16
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	5	0.16
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	7	0.16
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	7	0.16
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	7	0.16
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	11	0.16
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	11	0.16
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	11	0.16
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	15	0.16
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	15	0.16
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	15	0.16
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	21	0.16
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	21	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	21	0.16
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	31	0.16
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	31	0.16
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	31	0.16
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	33	0.16
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	33	0.16
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	33	0.16
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	8	0.16
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	8	0.16
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	8	0.16
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	18	0.16
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	18	0.16
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	18	0.16
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	17	0.16
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	17	0.16
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	17	0.16
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	32	0.16
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	32	0.16
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	32	0.16
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	30	0.16
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	30	0.16
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	30	0.16
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	30	0.16
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	30	0.16
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	30	0.16
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	30	0.16
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	30	0.16
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	30	0.16
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	36	0.16
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	36	0.16
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	36	0.16
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	36	0.16
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	36	0.16
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	36	0.16
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	36	0.16
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	36	0.16
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	36	0.16
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	30	0.16
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	30	0.16
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	30	0.16
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	30	0.16
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	30	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	30	0.16
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	30	0.16
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	30	0.16
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	30	0.16
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	36	0.16
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	36	0.16
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	36	0.16
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	36	0.16
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	36	0.16
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	36	0.16
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	36	0.16
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	36	0.16
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	36	0.16
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	1	0.16
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	2	0.16
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	4	0.16
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	5	0.16
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	10	0.16
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	17	0.16
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	20	0.16
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	30	0.16
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	35	0.16
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	40	0.16
(1,1360)	1:16:A:ILE:HG21	1:29:A:PHE:HB2	16	0.16
(1,1360)	1:16:A:ILE:HG22	1:29:A:PHE:HB2	16	0.16
(1,1360)	1:16:A:ILE:HG23	1:29:A:PHE:HB2	16	0.16
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	5	0.16
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	11	0.16
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	18	0.16
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	9	0.16
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	9	0.16
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	9	0.16
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	17	0.16
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	17	0.16
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	17	0.16
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	25	0.16
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	25	0.16
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	25	0.16
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	35	0.16
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	35	0.16
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	35	0.16
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	38	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	38	0.16
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	38	0.16
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	9	0.16
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	9	0.16
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	9	0.16
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	17	0.16
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	17	0.16
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	17	0.16
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	25	0.16
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	25	0.16
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	25	0.16
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	35	0.16
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	35	0.16
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	35	0.16
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	38	0.16
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	38	0.16
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	38	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	2	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	2	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	2	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	2	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	2	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	2	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	2	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	2	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	2	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	3	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	3	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	3	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	3	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	3	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	3	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	3	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	3	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	3	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	8	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	8	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	8	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	8	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	8	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	8	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	8	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	8	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	10	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	10	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	10	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	10	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	10	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	10	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	10	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	10	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	10	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	15	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	15	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	15	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	15	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	15	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	15	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	15	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	15	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	15	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	19	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	19	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	19	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	19	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	19	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	19	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	19	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	19	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	19	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	26	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	26	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	26	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	26	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	26	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	26	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	26	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	26	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	26	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	27	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	27	0.16
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	27	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	27	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	27	0.16
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	27	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	27	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	27	0.16
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	27	0.16
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	6	0.16
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	6	0.16
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	6	0.16
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	28	0.16
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	28	0.16
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	28	0.16
(1,1257)	1:67:A:THR:HG21	1:26:A:SER:HB2	7	0.16
(1,1257)	1:67:A:THR:HG22	1:26:A:SER:HB2	7	0.16
(1,1257)	1:67:A:THR:HG23	1:26:A:SER:HB2	7	0.16
(1,1257)	1:67:A:THR:HG21	1:26:A:SER:HB2	31	0.16
(1,1257)	1:67:A:THR:HG22	1:26:A:SER:HB2	31	0.16
(1,1257)	1:67:A:THR:HG23	1:26:A:SER:HB2	31	0.16
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	1	0.16
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	1	0.16
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	1	0.16
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	8	0.16
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	8	0.16
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	8	0.16
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	17	0.16
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	17	0.16
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	17	0.16
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	25	0.16
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	25	0.16
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	25	0.16
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	38	0.16
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	38	0.16
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	38	0.16
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	10	0.16
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	10	0.16
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	10	0.16
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	14	0.16
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	14	0.16
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	14	0.16
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	26	0.16
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	26	0.16
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	26	0.16
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	36	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	36	0.16
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	36	0.16
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	37	0.16
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	37	0.16
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	37	0.16
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	34	0.16
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	34	0.16
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	34	0.16
(1,1236)	1:13:A:THR:HG21	1:34:A:SER:HB3	17	0.16
(1,1236)	1:13:A:THR:HG22	1:34:A:SER:HB3	17	0.16
(1,1236)	1:13:A:THR:HG23	1:34:A:SER:HB3	17	0.16
(1,1217)	1:69:A:HIS:H	1:56:A:ASN:H	19	0.16
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	2	0.16
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	2	0.16
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	2	0.16
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	11	0.16
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	11	0.16
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	11	0.16
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	36	0.16
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	36	0.16
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	36	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	3	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	3	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	3	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	21	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	21	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	21	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	29	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	29	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	29	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	31	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	31	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	31	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	32	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	32	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	32	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	38	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	38	0.16
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	38	0.16
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	4	0.16
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG11	9	0.16
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG12	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG13	9	0.16
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	19	0.16
(1,1174)	1:91:A:ALA:H	1:84:A:ARG:HA	1	0.16
(1,1174)	1:91:A:ALA:H	1:84:A:ARG:HA	17	0.16
(1,1174)	1:91:A:ALA:H	1:84:A:ARG:HA	18	0.16
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	1	0.16
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	1	0.16
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	2	0.16
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	2	0.16
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	20	0.16
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	20	0.16
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	27	0.16
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	27	0.16
(1,1149)	1:54:A:LYS:H	1:53:A:GLN:HG3	22	0.16
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	4	0.16
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	40	0.16
(1,1125)	1:78:A:VAL:H	1:44:A:LYS:HE2	20	0.16
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	5	0.16
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	12	0.16
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	15	0.16
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	39	0.16
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	1	0.16
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	6	0.16
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	9	0.16
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	11	0.16
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	34	0.16
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	19	0.16
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	19	0.16
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	19	0.16
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	2	0.16
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	11	0.16
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	20	0.16
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	25	0.16
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	27	0.16
(1,919)	1:37:A:ASP:H	1:36:A:ASP:HB2	31	0.16
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	2	0.16
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	17	0.16
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	22	0.16
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	25	0.16
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	29	0.16
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	7	0.16
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	11	0.16
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	15	0.16
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	20	0.16
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	21	0.16
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	32	0.16
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	33	0.16
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	36	0.16
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	11	0.16
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	12	0.16
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	14	0.16
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	17	0.16
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	23	0.16
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	25	0.16
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	28	0.16
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	5	0.16
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	5	0.16
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	5	0.16
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	1	0.16
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	2	0.16
(1,847)	1:83:A:ALA:H	1:83:A:ALA:HA	15	0.16
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	10	0.16
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	3	0.16
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	10	0.16
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	24	0.16
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	27	0.16
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	29	0.16
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	33	0.16
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	38	0.16
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	40	0.16
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	1	0.16
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	4	0.16
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	6	0.16
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	10	0.16
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	13	0.16
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	15	0.16
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	17	0.16
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	18	0.16
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	23	0.16
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	24	0.16
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	29	0.16
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	31	0.16
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	39	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	4	0.16
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	6	0.16
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	15	0.16
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	29	0.16
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	33	0.16
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	29	0.16
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	34	0.16
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	1	0.16
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	2	0.16
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	5	0.16
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	8	0.16
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	10	0.16
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	12	0.16
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	14	0.16
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	16	0.16
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	29	0.16
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	39	0.16
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	40	0.16
(1,591)	1:3:A:ASP:H	1:3:A:ASP:HA	13	0.16
(1,591)	1:3:A:ASP:H	1:3:A:ASP:HA	34	0.16
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	4	0.16
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	8	0.16
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	14	0.16
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	15	0.16
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	16	0.16
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	27	0.16
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	28	0.16
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	38	0.16
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	2	0.16
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	2	0.16
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	8	0.16
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	8	0.16
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	21	0.16
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	21	0.16
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	22	0.16
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	22	0.16
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	33	0.16
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	33	0.16
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	34	0.16
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	34	0.16
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	15	0.16
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	15	0.16
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	16	0.16
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	38	0.16
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	39	0.16
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	40	0.16
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	4	0.16
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	33	0.16
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	35	0.16
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	38	0.16
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	39	0.16
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	1	0.16
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	12	0.16
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	17	0.16
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	28	0.16
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	29	0.16
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	30	0.16
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	18	0.16
(1,525)	1:99:A:GLY:H	1:100:A:GLU:H	31	0.16
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	22	0.16
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	31	0.16
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	34	0.16
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	36	0.16
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	9	0.16
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	19	0.16
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	28	0.16
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	31	0.16
(1,410)	1:96:A:GLU:H	1:18:A:ASN:HD21	17	0.16
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	8	0.16
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	13	0.16
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	15	0.16
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	22	0.16
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	23	0.16
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	25	0.16
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	26	0.16
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	29	0.16
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	30	0.16
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	35	0.16
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	38	0.16
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	39	0.16
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	22	0.16
(1,393)	1:77:A:GLY:H	1:96:A:GLU:HA	20	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	5	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	5	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	8	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	8	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	8	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	10	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	10	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	10	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	14	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	14	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	14	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	30	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	30	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	30	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	31	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	31	0.16
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	31	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	2	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	2	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	2	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	3	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	3	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	3	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	5	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	5	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	5	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	12	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	12	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	12	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	14	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	14	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	14	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	24	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	24	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	24	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	25	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	25	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	25	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	30	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	30	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	30	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	32	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	32	0.16
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	32	0.16
(1,368)	1:18:A:ASN:H	1:17:A:GLN:HB3	29	0.16
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	9	0.16
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	13	0.16
(1,314)	1:63:A:CYS:H	1:64:A:HIS:HD2	31	0.16
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	1	0.16
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	11	0.16
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	22	0.16
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	25	0.16
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	30	0.16
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	36	0.16
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	37	0.16
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	10	0.16
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	16	0.16
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	1	0.16
(1,235)	1:13:A:THR:H	1:12:A:PHE:HB2	9	0.16
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	12	0.16
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	12	0.16
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	4	0.16
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	16	0.16
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	24	0.16
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	24	0.16
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	24	0.16
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	27	0.16
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	27	0.16
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	27	0.16
(1,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	21	0.16
(1,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	24	0.16
(1,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	25	0.16
(1,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	32	0.16
(1,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	35	0.16
(1,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	40	0.16
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	26	0.16
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	4	0.16
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	40	0.16
(1,133)	1:39:A:ILE:H	1:39:A:ILE:HG13	7	0.16
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	1	0.16
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	5	0.16
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	8	0.16
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	10	0.16
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	16	0.16
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	20	0.16
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	37	0.16
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	10	0.16
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	11	0.16
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	12	0.16
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	13	0.16
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	14	0.16
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	20	0.16
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	21	0.16
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	23	0.16
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	24	0.16
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	35	0.16
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	36	0.16
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	7	0.16
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	14	0.16
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	17	0.16
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	25	0.16
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	9	0.16
(1,25)	1:89:A:GLY:H	1:88:A:ARG:HB3	4	0.16
(1,25)	1:89:A:GLY:H	1:88:A:ARG:HB3	5	0.16
(1,22)	1:89:A:GLY:H	1:85:A:LEU:H	1	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	1	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	2	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	3	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	4	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	5	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	7	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	8	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	9	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	10	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	12	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	13	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	14	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	16	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	17	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	20	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	21	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	22	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	23	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	24	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	25	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	26	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	27	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	28	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	30	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	32	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	34	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	35	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	37	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	38	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	39	0.16
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	40	0.16
(3,3217)	1:69:A:HIS:HE1	1:67:A:THR:HB	15	0.15
(3,3217)	1:69:A:HIS:HE1	1:67:A:THR:HB	22	0.15
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	17	0.15
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	17	0.15
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	18	0.15
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	18	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	5	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	5	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	5	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	5	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	5	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	5	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	7	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	7	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	7	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	7	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	7	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	7	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	11	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	11	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	11	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	11	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	11	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	11	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	14	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	14	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	14	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	14	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	14	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	14	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	15	0.15
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	15	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	15	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	15	0.15
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	15	0.15
(3,3205)	1:43:A:TYR:HD1	1:80:A:SER:HB2	29	0.15
(3,3205)	1:43:A:TYR:HD2	1:80:A:SER:HB2	29	0.15
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	16	0.15
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	16	0.15
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	16	0.15
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	16	0.15
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	21	0.15
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	21	0.15
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	21	0.15
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	21	0.15
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	28	0.15
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	28	0.15
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	28	0.15
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	28	0.15
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	39	0.15
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	39	0.15
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	39	0.15
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	39	0.15
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	40	0.15
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	40	0.15
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	40	0.15
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	40	0.15
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	37	0.15
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	40	0.15
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	15	0.15
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	15	0.15
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	15	0.15
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	19	0.15
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	19	0.15
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	19	0.15
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	21	0.15
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	21	0.15
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	21	0.15
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	1	0.15
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	1	0.15
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	11	0.15
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	16	0.15
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	16	0.15
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	26	0.15
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	26	0.15
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	27	0.15
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	27	0.15
(3,3138)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	10	0.15
(3,3138)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	10	0.15
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	1	0.15
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	1	0.15
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	7	0.15
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	7	0.15
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	36	0.15
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	36	0.15
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	4	0.15
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	4	0.15
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	12	0.15
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	12	0.15
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	13	0.15
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	13	0.15
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	14	0.15
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	14	0.15
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	15	0.15
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	15	0.15
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	17	0.15
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	17	0.15
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	19	0.15
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	19	0.15
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	25	0.15
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	25	0.15
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	30	0.15
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	30	0.15
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	36	0.15
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	36	0.15
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	37	0.15
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	37	0.15
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	4	0.15
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	4	0.15
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	12	0.15
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	12	0.15
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	13	0.15
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	14	0.15
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	14	0.15
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	15	0.15
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	15	0.15
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	17	0.15
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	17	0.15
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	19	0.15
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	19	0.15
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	25	0.15
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	25	0.15
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	30	0.15
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	30	0.15
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	36	0.15
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	36	0.15
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	37	0.15
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	37	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	2	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	2	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	2	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	2	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	2	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	2	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	4	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	4	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	4	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	4	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	4	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	4	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	31	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	31	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	31	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	31	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	31	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	31	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	32	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	32	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	32	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	32	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	32	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	32	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	34	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	34	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	34	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	34	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	34	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	34	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	36	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	36	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	36	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	36	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	36	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	36	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	37	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	37	0.15
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	37	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	37	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	37	0.15
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	37	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	11	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	11	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	11	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	11	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	11	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	11	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	17	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	17	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	17	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	17	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	17	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	17	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	25	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	25	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	25	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	25	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	25	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	25	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	27	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	27	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	27	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	27	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	27	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	27	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	30	0.15
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	30	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	30	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	30	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	30	0.15
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	30	0.15
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	8	0.15
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	8	0.15
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	8	0.15
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	8	0.15
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	22	0.15
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	22	0.15
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	22	0.15
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	22	0.15
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	37	0.15
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	37	0.15
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	37	0.15
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	37	0.15
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	7	0.15
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	7	0.15
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	7	0.15
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	7	0.15
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	7	0.15
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	7	0.15
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	9	0.15
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	9	0.15
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	9	0.15
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	9	0.15
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	9	0.15
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	9	0.15
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	10	0.15
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	10	0.15
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	10	0.15
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	10	0.15
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	10	0.15
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	10	0.15
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	16	0.15
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	16	0.15
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	16	0.15
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	16	0.15
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	16	0.15
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	16	0.15
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	24	0.15
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	24	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	24	0.15
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	24	0.15
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	24	0.15
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	24	0.15
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	39	0.15
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	39	0.15
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	39	0.15
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	39	0.15
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	39	0.15
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	39	0.15
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	10	0.15
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	10	0.15
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	10	0.15
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	24	0.15
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	24	0.15
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	24	0.15
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	31	0.15
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	31	0.15
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	31	0.15
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	1	0.15
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	1	0.15
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	3	0.15
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	3	0.15
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	17	0.15
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	17	0.15
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	22	0.15
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	22	0.15
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	26	0.15
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	26	0.15
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	31	0.15
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	31	0.15
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG21	10	0.15
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG22	10	0.15
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG23	10	0.15
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	22	0.15
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	22	0.15
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	22	0.15
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	23	0.15
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	23	0.15
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	23	0.15
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	31	0.15
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	31	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	31	0.15
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	19	0.15
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	19	0.15
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	19	0.15
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	26	0.15
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	26	0.15
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	26	0.15
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	10	0.15
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	15	0.15
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	27	0.15
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	15	0.15
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	16	0.15
(3,2970)	1:44:A:LYS:HE2	1:44:A:LYS:HG3	35	0.15
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	3	0.15
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	25	0.15
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	1	0.15
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	1	0.15
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	3	0.15
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	25	0.15
(3,2936)	1:17:A:GLN:HG2	1:17:A:GLN:H	5	0.15
(3,2936)	1:17:A:GLN:HG2	1:17:A:GLN:H	26	0.15
(3,2925)	1:22:A:SER:HB2	1:25:A:GLN:H	34	0.15
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	2	0.15
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	3	0.15
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	5	0.15
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	14	0.15
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	15	0.15
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	22	0.15
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	2	0.15
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	4	0.15
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	6	0.15
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	11	0.15
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	13	0.15
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	19	0.15
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	22	0.15
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	23	0.15
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	31	0.15
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	37	0.15
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	9	0.15
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	16	0.15
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	24	0.15
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	34	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	39	0.15
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	40	0.15
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	3	0.15
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	1	0.15
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	2	0.15
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	10	0.15
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	11	0.15
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	18	0.15
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	21	0.15
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	24	0.15
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	31	0.15
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	32	0.15
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	33	0.15
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	34	0.15
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	40	0.15
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	1	0.15
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	11	0.15
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	23	0.15
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	32	0.15
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	3	0.15
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	16	0.15
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	21	0.15
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	25	0.15
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	29	0.15
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	33	0.15
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	34	0.15
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	35	0.15
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	36	0.15
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	38	0.15
(3,2657)	1:17:A:GLN:HG2	1:17:A:GLN:HA	8	0.15
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	28	0.15
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	23	0.15
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	27	0.15
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	40	0.15
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	1	0.15
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	3	0.15
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	5	0.15
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	9	0.15
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	10	0.15
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	13	0.15
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	14	0.15
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2541)	1:73:A:PRO:HG3	1:73:A:PRO:HA	23	0.15
(3,2541)	1:73:A:PRO:HG3	1:73:A:PRO:HA	37	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	1	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	2	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	3	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	4	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	5	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	6	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	7	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	9	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	10	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	11	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	12	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	13	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	14	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	15	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	16	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	18	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	19	0.15
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	20	0.15
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	1	0.15
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	2	0.15
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	4	0.15
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	8	0.15
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	9	0.15
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	10	0.15
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	13	0.15
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	15	0.15
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	16	0.15
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	17	0.15
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	18	0.15
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	19	0.15
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	20	0.15
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	2	0.15
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	7	0.15
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	9	0.15
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	10	0.15
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	11	0.15
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	12	0.15
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	13	0.15
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	15	0.15
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2488)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	20	0.15
(3,2482)	1:9:A:PRO:HD2	1:8:A:GLU:HA	2	0.15
(3,2482)	1:9:A:PRO:HD2	1:8:A:GLU:HA	10	0.15
(3,2482)	1:9:A:PRO:HD2	1:8:A:GLU:HA	18	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	2	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	3	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	5	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	6	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	7	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	8	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	11	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	13	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	14	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	19	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	20	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	21	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	22	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	23	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	24	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	25	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	26	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	27	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	28	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	29	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	30	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	31	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	32	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	33	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	34	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	36	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	37	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	38	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	39	0.15
(3,2478)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	40	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	2	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	3	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	5	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	6	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	7	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	8	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	11	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	14	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	19	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	20	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	21	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	22	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	23	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	24	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	25	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	26	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	27	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	28	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	29	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	30	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	31	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	32	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	33	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	34	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	36	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	37	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	38	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	39	0.15
(3,2477)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	40	0.15
(3,2463)	1:4:A:PRO:HD3	1:3:A:ASP:HA	14	0.15
(3,2463)	1:4:A:PRO:HD3	1:3:A:ASP:HA	23	0.15
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	4	0.15
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	21	0.15
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	22	0.15
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	24	0.15
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	25	0.15
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	32	0.15
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	4	0.15
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	6	0.15
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	11	0.15
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	12	0.15
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	14	0.15
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	16	0.15
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	20	0.15
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	21	0.15
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	23	0.15
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	25	0.15
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	32	0.15
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	37	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	39	0.15
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	40	0.15
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	1	0.15
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	1	0.15
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	1	0.15
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	3	0.15
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	3	0.15
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	3	0.15
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	8	0.15
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	8	0.15
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	8	0.15
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	11	0.15
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	11	0.15
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	11	0.15
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	17	0.15
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	17	0.15
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	17	0.15
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	20	0.15
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	20	0.15
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	20	0.15
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	22	0.15
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	22	0.15
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	22	0.15
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	23	0.15
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	23	0.15
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	23	0.15
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	25	0.15
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	25	0.15
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	25	0.15
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	26	0.15
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	26	0.15
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	26	0.15
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	30	0.15
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	30	0.15
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	30	0.15
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	9	0.15
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	9	0.15
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	9	0.15
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	13	0.15
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	13	0.15
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	13	0.15
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	37	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	37	0.15
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	37	0.15
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	7	0.15
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	12	0.15
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	17	0.15
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	18	0.15
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	22	0.15
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	34	0.15
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	8	0.15
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	8	0.15
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	8	0.15
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	20	0.15
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	20	0.15
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	20	0.15
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	21	0.15
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	21	0.15
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	21	0.15
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	25	0.15
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	25	0.15
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	25	0.15
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	24	0.15
(3,2108)	1:16:A:ILE:HD11	1:95:A:ALA:HA	28	0.15
(3,2108)	1:16:A:ILE:HD12	1:95:A:ALA:HA	28	0.15
(3,2108)	1:16:A:ILE:HD13	1:95:A:ALA:HA	28	0.15
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	4	0.15
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	4	0.15
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	4	0.15
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	21	0.15
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	21	0.15
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	21	0.15
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	22	0.15
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	22	0.15
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	22	0.15
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	25	0.15
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	25	0.15
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	25	0.15
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	30	0.15
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	30	0.15
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	30	0.15
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	38	0.15
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	38	0.15
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	38	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	3	0.15
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	3	0.15
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	3	0.15
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	3	0.15
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	3	0.15
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	3	0.15
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	9	0.15
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	9	0.15
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	9	0.15
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	9	0.15
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	9	0.15
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	9	0.15
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	2	0.15
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	2	0.15
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	2	0.15
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	2	0.15
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	2	0.15
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	2	0.15
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	2	0.15
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	2	0.15
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	2	0.15
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	11	0.15
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	11	0.15
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	11	0.15
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	11	0.15
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	11	0.15
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	11	0.15
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	11	0.15
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	11	0.15
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	11	0.15
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	5	0.15
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	5	0.15
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	5	0.15
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	13	0.15
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	13	0.15
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	13	0.15
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	30	0.15
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	30	0.15
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	30	0.15
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	36	0.15
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	36	0.15
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	36	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	15	0.15
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	15	0.15
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	15	0.15
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	38	0.15
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	38	0.15
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	38	0.15
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	18	0.15
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	18	0.15
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	18	0.15
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	18	0.15
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	18	0.15
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	18	0.15
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	32	0.15
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	32	0.15
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	32	0.15
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	32	0.15
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	32	0.15
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	32	0.15
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	18	0.15
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	18	0.15
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	4	0.15
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	4	0.15
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	4	0.15
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	4	0.15
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	4	0.15
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	4	0.15
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	4	0.15
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	4	0.15
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	4	0.15
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	9	0.15
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	15	0.15
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	20	0.15
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	23	0.15
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	26	0.15
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	32	0.15
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	34	0.15
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	22	0.15
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	22	0.15
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	22	0.15
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	25	0.15
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	25	0.15
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	25	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	8	0.15
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	8	0.15
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	8	0.15
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	12	0.15
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	12	0.15
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	12	0.15
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	18	0.15
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	18	0.15
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	18	0.15
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	2	0.15
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	7	0.15
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	8	0.15
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	13	0.15
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	22	0.15
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	26	0.15
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	31	0.15
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	32	0.15
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	33	0.15
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	35	0.15
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	38	0.15
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	6	0.15
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	6	0.15
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	6	0.15
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	8	0.15
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	8	0.15
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	8	0.15
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	17	0.15
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	17	0.15
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	17	0.15
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	20	0.15
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	20	0.15
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	20	0.15
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	22	0.15
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	22	0.15
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	22	0.15
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	30	0.15
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	30	0.15
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	30	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	5	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	5	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	5	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	8	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	8	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	10	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	10	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	10	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	12	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	12	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	12	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	13	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	13	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	13	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	14	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	14	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	14	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	15	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	15	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	15	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	18	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	18	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	18	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	21	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	21	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	21	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	22	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	22	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	22	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	23	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	23	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	23	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	26	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	26	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	26	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	30	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	30	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	30	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	31	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	31	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	31	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	32	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	32	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	32	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	33	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	33	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	33	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	34	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	34	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	34	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	37	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	37	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	37	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	39	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	39	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	39	0.15
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	40	0.15
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	40	0.15
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	40	0.15
(3,1866)	1:7:A:ALA:HB1	1:8:A:GLU:H	16	0.15
(3,1866)	1:7:A:ALA:HB2	1:8:A:GLU:H	16	0.15
(3,1866)	1:7:A:ALA:HB3	1:8:A:GLU:H	16	0.15
(3,1864)	1:7:A:ALA:HB1	1:88:A:ARG:HA	26	0.15
(3,1864)	1:7:A:ALA:HB2	1:88:A:ARG:HA	26	0.15
(3,1864)	1:7:A:ALA:HB3	1:88:A:ARG:HA	26	0.15
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	4	0.15
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	4	0.15
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	4	0.15
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	10	0.15
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	10	0.15
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	10	0.15
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	14	0.15
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	14	0.15
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	14	0.15
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	18	0.15
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	18	0.15
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	18	0.15
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	28	0.15
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	28	0.15
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	28	0.15
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	34	0.15
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	34	0.15
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	34	0.15
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	39	0.15
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	39	0.15
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	39	0.15
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	9	0.15
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	12	0.15
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	2	0.15
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	3	0.15
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	11	0.15
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	12	0.15
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	14	0.15
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	16	0.15
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	17	0.15
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	20	0.15
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	24	0.15
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	26	0.15
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	28	0.15
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	33	0.15
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	34	0.15
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	35	0.15
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	37	0.15
(3,1781)	1:88:A:ARG:HG2	1:88:A:ARG:H	26	0.15
(3,1747)	1:51:A:GLU:HG2	1:51:A:GLU:H	15	0.15
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	10	0.15
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	10	0.15
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	10	0.15
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	10	0.15
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	10	0.15
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	10	0.15
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	10	0.15
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	10	0.15
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	10	0.15
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	27	0.15
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	27	0.15
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	27	0.15
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	27	0.15
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	27	0.15
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	27	0.15
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	27	0.15
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	27	0.15
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	27	0.15
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	28	0.15
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	28	0.15
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	28	0.15
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	28	0.15
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	28	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	28	0.15
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	28	0.15
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	28	0.15
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	28	0.15
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	13	0.15
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	13	0.15
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	13	0.15
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	31	0.15
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	31	0.15
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	31	0.15
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	15	0.15
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	15	0.15
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	15	0.15
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	15	0.15
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	15	0.15
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	15	0.15
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	15	0.15
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	15	0.15
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	15	0.15
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	17	0.15
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	17	0.15
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	17	0.15
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	17	0.15
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	17	0.15
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	17	0.15
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	17	0.15
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	17	0.15
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	17	0.15
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	24	0.15
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	24	0.15
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	24	0.15
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	24	0.15
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	24	0.15
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	24	0.15
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	24	0.15
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	24	0.15
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	24	0.15
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	32	0.15
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	32	0.15
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	32	0.15
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	32	0.15
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	32	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	32	0.15
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	32	0.15
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	32	0.15
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	32	0.15
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	37	0.15
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	37	0.15
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	37	0.15
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	37	0.15
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	37	0.15
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	37	0.15
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	37	0.15
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	37	0.15
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	37	0.15
(3,1683)	1:85:A:LEU:HD11	1:35:A:PHE:HD1	1	0.15
(3,1683)	1:85:A:LEU:HD11	1:35:A:PHE:HD2	1	0.15
(3,1683)	1:85:A:LEU:HD12	1:35:A:PHE:HD1	1	0.15
(3,1683)	1:85:A:LEU:HD12	1:35:A:PHE:HD2	1	0.15
(3,1683)	1:85:A:LEU:HD13	1:35:A:PHE:HD1	1	0.15
(3,1683)	1:85:A:LEU:HD13	1:35:A:PHE:HD2	1	0.15
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	22	0.15
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	22	0.15
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	22	0.15
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	28	0.15
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	28	0.15
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	28	0.15
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	31	0.15
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	31	0.15
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	31	0.15
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	36	0.15
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	36	0.15
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	36	0.15
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	18	0.15
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	18	0.15
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	18	0.15
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	18	0.15
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	18	0.15
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	18	0.15
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	18	0.15
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	18	0.15
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	18	0.15
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	21	0.15
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	21	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	21	0.15
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	21	0.15
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	21	0.15
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	21	0.15
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	21	0.15
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	21	0.15
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	21	0.15
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	31	0.15
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	31	0.15
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	31	0.15
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	31	0.15
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	31	0.15
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	31	0.15
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	31	0.15
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	31	0.15
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	31	0.15
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	33	0.15
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	33	0.15
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	33	0.15
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	33	0.15
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	33	0.15
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	33	0.15
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	33	0.15
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	33	0.15
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	33	0.15
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	14	0.15
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	14	0.15
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	14	0.15
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	15	0.15
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	15	0.15
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	15	0.15
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	19	0.15
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	19	0.15
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	19	0.15
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	25	0.15
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	25	0.15
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	25	0.15
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	29	0.15
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	29	0.15
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	29	0.15
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	39	0.15
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	39	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	39	0.15
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	40	0.15
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	40	0.15
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	40	0.15
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	29	0.15
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	29	0.15
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	29	0.15
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	11	0.15
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	11	0.15
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	11	0.15
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	15	0.15
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	15	0.15
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	15	0.15
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	2	0.15
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	2	0.15
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	2	0.15
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	2	0.15
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	2	0.15
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	2	0.15
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	4	0.15
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	4	0.15
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	4	0.15
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	4	0.15
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	4	0.15
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	4	0.15
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	31	0.15
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	31	0.15
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	31	0.15
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	31	0.15
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	31	0.15
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	31	0.15
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	32	0.15
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	32	0.15
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	32	0.15
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	32	0.15
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	32	0.15
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	32	0.15
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	34	0.15
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	34	0.15
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	34	0.15
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	34	0.15
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	34	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	34	0.15
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	36	0.15
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	36	0.15
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	36	0.15
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	36	0.15
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	36	0.15
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	36	0.15
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	37	0.15
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	37	0.15
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	37	0.15
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	37	0.15
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	37	0.15
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	37	0.15
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	7	0.15
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	7	0.15
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	7	0.15
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	7	0.15
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	7	0.15
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	7	0.15
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	11	0.15
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	11	0.15
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	11	0.15
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	11	0.15
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	11	0.15
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	11	0.15
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	26	0.15
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	26	0.15
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	26	0.15
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	26	0.15
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	26	0.15
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	26	0.15
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	28	0.15
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	28	0.15
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	28	0.15
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	28	0.15
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	28	0.15
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	28	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	4	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	4	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	4	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	12	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	12	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	14	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	14	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	14	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	21	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	21	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	21	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	30	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	30	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	30	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	40	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	40	0.15
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	40	0.15
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	6	0.15
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	6	0.15
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	6	0.15
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	10	0.15
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	10	0.15
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	10	0.15
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	11	0.15
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	11	0.15
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	11	0.15
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	13	0.15
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	13	0.15
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	13	0.15
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	14	0.15
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	14	0.15
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	14	0.15
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	15	0.15
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	15	0.15
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	15	0.15
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	22	0.15
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	22	0.15
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	22	0.15
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	26	0.15
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	26	0.15
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	26	0.15
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	30	0.15
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	30	0.15
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	30	0.15
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	34	0.15
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	34	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	34	0.15
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	37	0.15
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	37	0.15
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	37	0.15
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	40	0.15
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	40	0.15
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	40	0.15
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	4	0.15
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	4	0.15
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	4	0.15
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	3	0.15
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	3	0.15
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	3	0.15
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	4	0.15
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	4	0.15
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	4	0.15
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	5	0.15
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	5	0.15
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	5	0.15
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	8	0.15
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	8	0.15
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	8	0.15
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	9	0.15
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	9	0.15
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	9	0.15
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	15	0.15
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	15	0.15
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	15	0.15
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	16	0.15
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	16	0.15
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	16	0.15
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	17	0.15
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	17	0.15
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	17	0.15
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	20	0.15
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	20	0.15
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	20	0.15
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	32	0.15
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	32	0.15
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	32	0.15
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	34	0.15
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	34	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	34	0.15
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	35	0.15
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	35	0.15
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	35	0.15
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	37	0.15
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	37	0.15
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	37	0.15
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	13	0.15
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	13	0.15
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	13	0.15
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	20	0.15
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	20	0.15
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	20	0.15
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	15	0.15
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	15	0.15
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	15	0.15
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	19	0.15
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	19	0.15
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	19	0.15
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	21	0.15
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	21	0.15
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	21	0.15
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	19	0.15
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	19	0.15
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	19	0.15
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	19	0.15
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	19	0.15
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	19	0.15
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	27	0.15
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	27	0.15
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	27	0.15
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	27	0.15
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	27	0.15
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	27	0.15
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	33	0.15
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	33	0.15
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	33	0.15
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	33	0.15
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	33	0.15
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	33	0.15
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	35	0.15
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	35	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	35	0.15
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	35	0.15
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	35	0.15
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	35	0.15
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	20	0.15
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	20	0.15
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	20	0.15
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	23	0.15
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	23	0.15
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	23	0.15
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	25	0.15
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	25	0.15
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	25	0.15
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	27	0.15
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	27	0.15
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	27	0.15
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	38	0.15
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	38	0.15
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	38	0.15
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	2	0.15
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	2	0.15
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	2	0.15
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	7	0.15
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	7	0.15
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	7	0.15
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	10	0.15
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	10	0.15
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	10	0.15
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	21	0.15
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	21	0.15
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	21	0.15
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	28	0.15
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	28	0.15
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	28	0.15
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	20	0.15
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	20	0.15
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	20	0.15
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	16	0.15
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	16	0.15
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	16	0.15
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	27	0.15
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	27	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	27	0.15
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	5	0.15
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	5	0.15
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	5	0.15
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	20	0.15
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	20	0.15
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	20	0.15
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	28	0.15
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	28	0.15
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	28	0.15
(3,1470)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	26	0.15
(3,1470)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	26	0.15
(3,1470)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	26	0.15
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	17	0.15
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	17	0.15
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	17	0.15
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	29	0.15
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	29	0.15
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	29	0.15
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	11	0.15
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	11	0.15
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	11	0.15
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	13	0.15
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	13	0.15
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	13	0.15
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	15	0.15
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	15	0.15
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	15	0.15
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	18	0.15
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	18	0.15
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	18	0.15
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	19	0.15
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	19	0.15
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	19	0.15
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	23	0.15
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	23	0.15
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	23	0.15
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	33	0.15
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	33	0.15
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	33	0.15
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	35	0.15
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	35	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	35	0.15
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	36	0.15
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	36	0.15
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	36	0.15
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	38	0.15
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	38	0.15
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	38	0.15
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	40	0.15
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	40	0.15
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	40	0.15
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	1	0.15
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	1	0.15
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	1	0.15
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	4	0.15
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	4	0.15
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	4	0.15
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	8	0.15
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	8	0.15
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	8	0.15
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	10	0.15
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	10	0.15
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	10	0.15
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	12	0.15
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	12	0.15
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	12	0.15
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	16	0.15
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	16	0.15
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	16	0.15
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	18	0.15
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	18	0.15
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	18	0.15
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	20	0.15
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	20	0.15
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	20	0.15
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	23	0.15
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	23	0.15
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	23	0.15
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	24	0.15
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	24	0.15
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	24	0.15
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	25	0.15
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	25	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	25	0.15
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	30	0.15
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	30	0.15
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	30	0.15
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	32	0.15
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	32	0.15
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	32	0.15
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	34	0.15
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	34	0.15
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	34	0.15
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	35	0.15
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	35	0.15
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	35	0.15
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	1	0.15
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	1	0.15
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	1	0.15
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	9	0.15
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	9	0.15
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	9	0.15
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	12	0.15
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	12	0.15
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	12	0.15
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	23	0.15
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	23	0.15
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	23	0.15
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	29	0.15
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	29	0.15
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	29	0.15
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	36	0.15
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	36	0.15
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	36	0.15
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	37	0.15
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	37	0.15
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	37	0.15
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	9	0.15
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	9	0.15
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	9	0.15
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	15	0.15
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	15	0.15
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	15	0.15
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	33	0.15
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	33	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	33	0.15
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	34	0.15
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	34	0.15
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	34	0.15
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	37	0.15
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	37	0.15
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	37	0.15
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	26	0.15
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	26	0.15
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	26	0.15
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	26	0.15
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	26	0.15
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	26	0.15
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	26	0.15
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	26	0.15
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	26	0.15
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	37	0.15
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	37	0.15
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	37	0.15
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	37	0.15
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	37	0.15
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	37	0.15
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	37	0.15
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	37	0.15
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	37	0.15
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	38	0.15
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	38	0.15
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	38	0.15
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	38	0.15
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	38	0.15
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	38	0.15
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	38	0.15
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	38	0.15
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	38	0.15
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	26	0.15
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	26	0.15
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	26	0.15
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	26	0.15
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	26	0.15
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	26	0.15
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	26	0.15
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	26	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	26	0.15
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	37	0.15
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	37	0.15
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	37	0.15
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	37	0.15
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	37	0.15
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	37	0.15
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	37	0.15
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	37	0.15
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	37	0.15
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	38	0.15
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	38	0.15
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	38	0.15
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	38	0.15
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	38	0.15
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	38	0.15
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	38	0.15
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	38	0.15
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	38	0.15
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	3	0.15
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	19	0.15
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	21	0.15
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	32	0.15
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	2	0.15
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	16	0.15
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	17	0.15
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	22	0.15
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	28	0.15
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	1	0.15
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	24	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	1	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	1	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	1	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	4	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	4	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	4	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	6	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	6	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	6	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	10	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	10	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	13	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	13	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	13	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	23	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	23	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	23	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	27	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	27	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	27	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	34	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	34	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	34	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	39	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	39	0.15
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	39	0.15
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	4	0.15
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	4	0.15
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	4	0.15
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	4	0.15
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	4	0.15
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	4	0.15
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	4	0.15
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	4	0.15
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	4	0.15
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	1	0.15
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	1	0.15
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	1	0.15
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	4	0.15
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	4	0.15
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	4	0.15
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	6	0.15
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	6	0.15
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	6	0.15
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	10	0.15
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	10	0.15
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	10	0.15
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	13	0.15
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	13	0.15
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	13	0.15
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	23	0.15
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	23	0.15
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	23	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	27	0.15
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	27	0.15
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	27	0.15
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	34	0.15
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	34	0.15
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	34	0.15
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	39	0.15
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	39	0.15
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	39	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	5	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	5	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	5	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	5	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	5	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	5	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	5	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	5	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	5	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	6	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	6	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	6	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	6	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	6	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	6	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	6	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	6	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	6	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	7	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	7	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	7	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	7	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	7	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	7	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	7	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	7	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	7	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	9	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	9	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	9	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	9	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	9	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	9	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	9	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	9	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	11	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	11	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	11	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	11	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	11	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	11	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	11	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	11	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	11	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	25	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	25	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	25	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	25	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	25	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	25	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	25	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	25	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	25	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	31	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	31	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	31	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	31	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	31	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	31	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	31	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	31	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	31	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	36	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	36	0.15
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	36	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	36	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	36	0.15
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	36	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	36	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	36	0.15
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	36	0.15
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	7	0.15
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	7	0.15
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	14	0.15
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	14	0.15
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	14	0.15
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	19	0.15
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	19	0.15
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	19	0.15
(3,1261)	1:67:A:THR:HG21	1:26:A:SER:HB2	11	0.15
(3,1261)	1:67:A:THR:HG22	1:26:A:SER:HB2	11	0.15
(3,1261)	1:67:A:THR:HG23	1:26:A:SER:HB2	11	0.15
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	2	0.15
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	2	0.15
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	2	0.15
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	6	0.15
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	6	0.15
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	6	0.15
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	9	0.15
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	9	0.15
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	9	0.15
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	18	0.15
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	18	0.15
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	18	0.15
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	23	0.15
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	23	0.15
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	23	0.15
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	29	0.15
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	29	0.15
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	29	0.15
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	30	0.15
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	30	0.15
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	30	0.15
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	32	0.15
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	32	0.15
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	32	0.15
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	38	0.15
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	38	0.15
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	38	0.15
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	14	0.15
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	14	0.15
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	14	0.15
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	23	0.15
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	23	0.15
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	23	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	36	0.15
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	36	0.15
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	36	0.15
(3,1230)	1:101:A:LEU:H	1:22:A:SER:HA	15	0.15
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	15	0.15
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	15	0.15
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	15	0.15
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	27	0.15
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	27	0.15
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	27	0.15
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG21	24	0.15
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG22	24	0.15
(3,1204)	1:39:A:ILE:H	1:39:A:ILE:HG23	24	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	4	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	4	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	4	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	10	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	10	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	10	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	11	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	11	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	11	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	14	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	14	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	14	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	16	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	16	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	16	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	17	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	17	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	17	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	22	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	22	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	22	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	40	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	40	0.15
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	40	0.15
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	5	0.15
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG11	6	0.15
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG12	6	0.15
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG13	6	0.15
(3,1178)	1:91:A:ALA:H	1:84:A:ARG:HA	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	11	0.15
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	7	0.15
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	7	0.15
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	9	0.15
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	9	0.15
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	18	0.15
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	18	0.15
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	26	0.15
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	26	0.15
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	6	0.15
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	22	0.15
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	20	0.15
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	29	0.15
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	6	0.15
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	11	0.15
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	29	0.15
(3,1003)	1:5:A:PHE:H	1:4:A:PRO:HA	15	0.15
(3,1003)	1:5:A:PHE:H	1:4:A:PRO:HA	18	0.15
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	2	0.15
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	2	0.15
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	2	0.15
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	19	0.15
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	19	0.15
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	19	0.15
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	16	0.15
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	18	0.15
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	22	0.15
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	24	0.15
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	25	0.15
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	28	0.15
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	30	0.15
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	32	0.15
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	35	0.15
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	37	0.15
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	40	0.15
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	2	0.15
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	16	0.15
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	17	0.15
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	22	0.15
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	28	0.15
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG21	5	0.15
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG22	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG23	5	0.15
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	3	0.15
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	12	0.15
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	18	0.15
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	29	0.15
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	37	0.15
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	38	0.15
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	39	0.15
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	3	0.15
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	31	0.15
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	2	0.15
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	2	0.15
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	2	0.15
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	4	0.15
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	4	0.15
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	4	0.15
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	10	0.15
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	10	0.15
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	10	0.15
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	12	0.15
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	12	0.15
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	12	0.15
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	15	0.15
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	15	0.15
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	15	0.15
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	20	0.15
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	1	0.15
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	5	0.15
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	30	0.15
(3,875)	1:8:A:GLU:H	1:7:A:ALA:HB1	16	0.15
(3,875)	1:8:A:GLU:H	1:7:A:ALA:HB2	16	0.15
(3,875)	1:8:A:GLU:H	1:7:A:ALA:HB3	16	0.15
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	2	0.15
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	8	0.15
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	22	0.15
(3,869)	1:8:A:GLU:H	1:7:A:ALA:HA	35	0.15
(3,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	33	0.15
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	22	0.15
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	22	0.15
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	22	0.15
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	30	0.15
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	30	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	30	0.15
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	32	0.15
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	32	0.15
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	32	0.15
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	5	0.15
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	5	0.15
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	5	0.15
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	29	0.15
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	29	0.15
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	29	0.15
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	39	0.15
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	39	0.15
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	39	0.15
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	20	0.15
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	22	0.15
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	23	0.15
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	5	0.15
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	5	0.15
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	5	0.15
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	20	0.15
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	20	0.15
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	20	0.15
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	28	0.15
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	28	0.15
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	28	0.15
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	19	0.15
(3,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	28	0.15
(3,786)	1:6:A:THR:H	1:6:A:THR:HG21	29	0.15
(3,786)	1:6:A:THR:H	1:6:A:THR:HG22	29	0.15
(3,786)	1:6:A:THR:H	1:6:A:THR:HG23	29	0.15
(3,776)	1:6:A:THR:H	1:6:A:THR:HA	16	0.15
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	22	0.15
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	27	0.15
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	30	0.15
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	38	0.15
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	7	0.15
(3,672)	1:72:A:THR:H	1:73:A:PRO:HD2	18	0.15
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	8	0.15
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	23	0.15
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	36	0.15
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	9	0.15
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	24	0.15
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	34	0.15
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	39	0.15
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	40	0.15
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	24	0.15
(3,605)	1:50:A:THR:H	1:49:A:LEU:HB2	37	0.15
(3,591)	1:3:A:ASP:H	1:3:A:ASP:HA	40	0.15
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	3	0.15
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	12	0.15
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	23	0.15
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	28	0.15
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	35	0.15
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	38	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	2	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	2	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	2	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	11	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	11	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	11	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	21	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	21	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	21	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	22	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	22	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	22	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	23	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	23	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	23	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	25	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	25	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	25	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	30	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	30	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	30	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	34	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	34	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	34	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	36	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	36	0.15
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	36	0.15
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	18	0.15
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	31	0.15
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	33	0.15
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	39	0.15
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	7	0.15
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	7	0.15
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	19	0.15
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	19	0.15
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	8	0.15
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	6	0.15
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	12	0.15
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	14	0.15
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	37	0.15
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	13	0.15
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	29	0.15
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	31	0.15
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	3	0.15
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	4	0.15
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	6	0.15
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	11	0.15
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	13	0.15
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	19	0.15
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	21	0.15
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	23	0.15
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	25	0.15
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	31	0.15
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	33	0.15
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	35	0.15
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	36	0.15
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	37	0.15
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	39	0.15
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	5	0.15
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	8	0.15
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	15	0.15
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	37	0.15
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	1	0.15
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	2	0.15
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	10	0.15
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	11	0.15
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	18	0.15
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	21	0.15
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	24	0.15
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	31	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	32	0.15
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	33	0.15
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	34	0.15
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	40	0.15
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	2	0.15
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	5	0.15
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	12	0.15
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	16	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	3	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	3	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	3	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	4	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	4	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	4	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	9	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	9	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	9	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	11	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	11	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	11	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	15	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	15	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	15	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	16	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	16	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	16	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	20	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	20	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	20	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	22	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	22	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	22	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	23	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	23	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	23	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	25	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	25	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	25	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	26	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	26	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	26	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	28	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	28	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	28	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	32	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	32	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	32	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	36	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	36	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	36	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	37	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	37	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	37	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	38	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	38	0.15
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	38	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	11	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	11	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	11	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	13	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	13	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	13	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	15	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	15	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	15	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	18	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	18	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	18	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	19	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	19	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	19	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	23	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	23	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	23	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	33	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	33	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	33	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	35	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	35	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	35	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	36	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	36	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	36	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	38	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	38	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	38	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	40	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	40	0.15
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	40	0.15
(3,368)	1:18:A:ASN:H	1:17:A:GLN:HB3	5	0.15
(3,343)	1:14:A:LYS:H	1:33:A:VAL:HA	20	0.15
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	12	0.15
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	12	0.15
(3,314)	1:63:A:CYS:H	1:64:A:HIS:HD2	27	0.15
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	9	0.15
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	15	0.15
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	20	0.15
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	23	0.15
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	26	0.15
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	32	0.15
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	34	0.15
(3,274)	1:66:A:MET:H	1:66:A:MET:HG3	4	0.15
(3,242)	1:95:A:ALA:H	1:96:A:GLU:H	28	0.15
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	6	0.15
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	6	0.15
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	9	0.15
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	9	0.15
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	20	0.15
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	20	0.15
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	3	0.15
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	5	0.15
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	8	0.15
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	10	0.15
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	12	0.15
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	20	0.15
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	27	0.15
(3,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	27	0.15
(3,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	28	0.15
(3,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	30	0.15
(3,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	34	0.15
(3,144)	1:101:A:LEU:H	1:100:A:GLU:HB2	14	0.15
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	6	0.15
(3,113)	1:63:A:CYS:H	1:60:A:ASP:H	16	0.15
(3,102)	1:22:A:SER:H	1:21:A:VAL:HB	3	0.15
(3,72)	1:51:A:GLU:H	1:51:A:GLU:HG2	15	0.15
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	6	0.15
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	22	0.15
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	33	0.15
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	20	0.15
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	34	0.15
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	36	0.15
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	1	0.15
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	9	0.15
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	13	0.15
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	15	0.15
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	18	0.15
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	22	0.15
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	23	0.15
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	30	0.15
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	38	0.15
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	6	0.15
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	11	0.15
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	15	0.15
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	18	0.15
(3,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	19	0.15
(1,3211)	1:69:A:HIS:HE1	1:67:A:THR:HB	15	0.15
(1,3211)	1:69:A:HIS:HE1	1:67:A:THR:HB	22	0.15
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	17	0.15
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	17	0.15
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	18	0.15
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	18	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	5	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	5	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	5	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	5	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	5	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	5	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	7	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	7	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	7	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	7	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	7	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	7	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	11	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	11	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	11	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	11	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	11	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	14	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	14	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	14	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	14	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	14	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	14	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	15	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	15	0.15
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	15	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	15	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	15	0.15
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	15	0.15
(1,3199)	1:43:A:TYR:HD1	1:80:A:SER:HB2	29	0.15
(1,3199)	1:43:A:TYR:HD2	1:80:A:SER:HB2	29	0.15
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	16	0.15
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	16	0.15
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	16	0.15
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	16	0.15
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	21	0.15
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	21	0.15
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	21	0.15
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	21	0.15
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	28	0.15
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	28	0.15
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	28	0.15
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	28	0.15
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	39	0.15
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	39	0.15
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	39	0.15
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	39	0.15
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	40	0.15
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	40	0.15
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	40	0.15
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	40	0.15
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	37	0.15
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	40	0.15
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	15	0.15
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	15	0.15
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	15	0.15
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	19	0.15
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	19	0.15
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	21	0.15
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	21	0.15
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	21	0.15
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	1	0.15
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	1	0.15
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	11	0.15
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	11	0.15
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	16	0.15
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	16	0.15
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	26	0.15
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	26	0.15
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	27	0.15
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	27	0.15
(1,3132)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	10	0.15
(1,3132)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	10	0.15
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	1	0.15
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	1	0.15
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	7	0.15
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	7	0.15
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	36	0.15
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	36	0.15
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	4	0.15
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	4	0.15
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	12	0.15
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	12	0.15
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	13	0.15
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	13	0.15
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	14	0.15
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	14	0.15
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	15	0.15
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	15	0.15
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	17	0.15
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	17	0.15
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	19	0.15
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	19	0.15
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	25	0.15
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	25	0.15
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	30	0.15
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	30	0.15
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	36	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	36	0.15
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	37	0.15
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	37	0.15
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	4	0.15
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	4	0.15
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	12	0.15
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	12	0.15
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	13	0.15
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	13	0.15
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	14	0.15
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	14	0.15
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	15	0.15
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	15	0.15
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	17	0.15
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	17	0.15
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	19	0.15
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	19	0.15
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	25	0.15
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	25	0.15
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	30	0.15
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	30	0.15
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	36	0.15
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	36	0.15
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	37	0.15
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	37	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	2	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	2	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	2	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	2	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	2	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	2	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	4	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	4	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	4	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	4	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	4	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	4	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	31	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	31	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	31	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	31	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	31	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	31	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	32	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	32	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	32	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	32	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	32	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	32	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	34	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	34	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	34	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	34	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	34	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	34	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	36	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	36	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	36	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	36	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	36	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	36	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	37	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	37	0.15
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	37	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	37	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	37	0.15
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	37	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	11	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	11	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	11	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	11	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	11	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	11	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	17	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	17	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	17	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	17	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	17	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	17	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	25	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	25	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	25	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	25	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	25	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	25	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	27	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	27	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	27	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	27	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	27	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	27	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	30	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	30	0.15
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	30	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	30	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	30	0.15
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	30	0.15
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	8	0.15
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	8	0.15
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	8	0.15
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	8	0.15
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	22	0.15
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	22	0.15
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	22	0.15
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	22	0.15
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	37	0.15
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	37	0.15
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	37	0.15
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	37	0.15
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	7	0.15
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	7	0.15
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	7	0.15
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	7	0.15
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	7	0.15
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	7	0.15
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	9	0.15
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	9	0.15
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	9	0.15
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	9	0.15
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	9	0.15
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	9	0.15
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	10	0.15
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	10	0.15
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	10	0.15
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	10	0.15
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	10	0.15
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	16	0.15
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	16	0.15
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	16	0.15
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	16	0.15
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	16	0.15
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	16	0.15
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	24	0.15
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	24	0.15
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	24	0.15
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	24	0.15
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	24	0.15
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	24	0.15
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	39	0.15
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	39	0.15
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	39	0.15
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	39	0.15
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	39	0.15
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	39	0.15
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	10	0.15
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	10	0.15
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	10	0.15
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	24	0.15
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	24	0.15
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	24	0.15
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	31	0.15
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	31	0.15
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	31	0.15
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	1	0.15
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	1	0.15
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	3	0.15
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	3	0.15
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	17	0.15
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	17	0.15
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	22	0.15
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	22	0.15
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	26	0.15
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	26	0.15
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	31	0.15
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	31	0.15
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG21	10	0.15
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG22	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG23	10	0.15
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	22	0.15
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	22	0.15
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	22	0.15
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	23	0.15
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	23	0.15
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	23	0.15
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	31	0.15
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	31	0.15
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	31	0.15
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	19	0.15
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	19	0.15
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	19	0.15
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	26	0.15
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	26	0.15
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	26	0.15
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	10	0.15
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	15	0.15
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	27	0.15
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	15	0.15
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	16	0.15
(1,2962)	1:44:A:LYS:HE2	1:44:A:LYS:HG3	35	0.15
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	3	0.15
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	25	0.15
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	1	0.15
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	1	0.15
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	3	0.15
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	25	0.15
(1,2929)	1:17:A:GLN:HG2	1:17:A:GLN:H	5	0.15
(1,2929)	1:17:A:GLN:HG2	1:17:A:GLN:H	26	0.15
(1,2918)	1:22:A:SER:HB2	1:25:A:GLN:H	34	0.15
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	2	0.15
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	3	0.15
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	5	0.15
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	14	0.15
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	15	0.15
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	22	0.15
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	2	0.15
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	4	0.15
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	6	0.15
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	11	0.15
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	19	0.15
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	22	0.15
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	23	0.15
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	31	0.15
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	37	0.15
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	9	0.15
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	16	0.15
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	24	0.15
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	34	0.15
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	39	0.15
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	40	0.15
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	3	0.15
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	1	0.15
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	2	0.15
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	10	0.15
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	11	0.15
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	18	0.15
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	21	0.15
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	24	0.15
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	31	0.15
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	32	0.15
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	33	0.15
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	34	0.15
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	40	0.15
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	1	0.15
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	11	0.15
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	23	0.15
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	32	0.15
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	3	0.15
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	16	0.15
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	21	0.15
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	25	0.15
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	29	0.15
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	33	0.15
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	34	0.15
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	35	0.15
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	36	0.15
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	38	0.15
(1,2653)	1:17:A:GLN:HG2	1:17:A:GLN:HA	8	0.15
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	28	0.15
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	26	0.15
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	27	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	29	0.15
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	37	0.15
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	40	0.15
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	23	0.15
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	27	0.15
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	40	0.15
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	1	0.15
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	3	0.15
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	5	0.15
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	9	0.15
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	10	0.15
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	13	0.15
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	14	0.15
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	19	0.15
(1,2537)	1:73:A:PRO:HG3	1:73:A:PRO:HA	23	0.15
(1,2537)	1:73:A:PRO:HG3	1:73:A:PRO:HA	37	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	1	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	2	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	3	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	4	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	5	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	6	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	7	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	9	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	10	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	11	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	12	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	13	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	14	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	15	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	16	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	18	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	19	0.15
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	20	0.15
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	1	0.15
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	2	0.15
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	4	0.15
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	8	0.15
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	9	0.15
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	10	0.15
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	13	0.15
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	16	0.15
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	17	0.15
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	18	0.15
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	19	0.15
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	20	0.15
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	2	0.15
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	7	0.15
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	9	0.15
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	10	0.15
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	11	0.15
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	12	0.15
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	13	0.15
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	15	0.15
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	18	0.15
(1,2485)	1:9:A:PRO:HD2	1:9:A:PRO:HB3	20	0.15
(1,2479)	1:9:A:PRO:HD2	1:8:A:GLU:HA	2	0.15
(1,2479)	1:9:A:PRO:HD2	1:8:A:GLU:HA	10	0.15
(1,2479)	1:9:A:PRO:HD2	1:8:A:GLU:HA	18	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	2	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	3	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	5	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	6	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	7	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	8	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	11	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	13	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	14	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	19	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	20	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	21	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	22	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	23	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	24	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	25	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	26	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	27	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	28	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	29	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	30	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	31	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	32	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	33	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	34	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	36	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	37	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	38	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	39	0.15
(1,2475)	1:4:A:PRO:HG3	1:4:A:PRO:HG2	40	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	2	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	3	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	5	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	6	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	7	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	8	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	11	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	13	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	14	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	19	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	20	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	21	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	22	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	23	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	24	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	25	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	26	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	27	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	28	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	29	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	30	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	31	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	32	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	33	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	34	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	36	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	37	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	38	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	39	0.15
(1,2474)	1:4:A:PRO:HG2	1:4:A:PRO:HG3	40	0.15
(1,2460)	1:4:A:PRO:HD3	1:3:A:ASP:HA	14	0.15
(1,2460)	1:4:A:PRO:HD3	1:3:A:ASP:HA	23	0.15
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	4	0.15
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	21	0.15
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	22	0.15
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	24	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	25	0.15
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	32	0.15
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	4	0.15
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	6	0.15
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	11	0.15
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	12	0.15
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	14	0.15
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	16	0.15
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	20	0.15
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	21	0.15
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	23	0.15
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	25	0.15
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	32	0.15
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	37	0.15
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	39	0.15
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	40	0.15
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	1	0.15
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	1	0.15
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	1	0.15
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	3	0.15
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	3	0.15
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	3	0.15
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	8	0.15
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	8	0.15
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	8	0.15
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	11	0.15
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	11	0.15
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	11	0.15
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	17	0.15
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	17	0.15
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	17	0.15
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	20	0.15
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	20	0.15
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	20	0.15
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	22	0.15
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	22	0.15
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	22	0.15
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	23	0.15
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	23	0.15
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	23	0.15
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	25	0.15
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	25	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	25	0.15
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	26	0.15
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	26	0.15
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	26	0.15
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	30	0.15
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	30	0.15
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	30	0.15
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	9	0.15
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	9	0.15
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	9	0.15
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	13	0.15
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	13	0.15
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	13	0.15
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	37	0.15
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	37	0.15
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	37	0.15
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	7	0.15
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	12	0.15
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	17	0.15
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	18	0.15
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	22	0.15
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	34	0.15
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	8	0.15
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	8	0.15
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	8	0.15
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	20	0.15
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	20	0.15
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	20	0.15
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	21	0.15
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	21	0.15
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	21	0.15
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	25	0.15
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	25	0.15
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	25	0.15
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	24	0.15
(1,2105)	1:16:A:ILE:HD11	1:95:A:ALA:HA	28	0.15
(1,2105)	1:16:A:ILE:HD12	1:95:A:ALA:HA	28	0.15
(1,2105)	1:16:A:ILE:HD13	1:95:A:ALA:HA	28	0.15
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	4	0.15
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	4	0.15
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	4	0.15
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	21	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	21	0.15
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	21	0.15
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	22	0.15
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	22	0.15
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	22	0.15
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	25	0.15
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	25	0.15
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	25	0.15
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	30	0.15
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	30	0.15
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	30	0.15
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	38	0.15
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	38	0.15
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	38	0.15
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	3	0.15
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	3	0.15
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	3	0.15
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	3	0.15
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	3	0.15
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	3	0.15
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	9	0.15
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	9	0.15
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	9	0.15
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	9	0.15
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	9	0.15
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	9	0.15
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	2	0.15
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	2	0.15
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	2	0.15
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	2	0.15
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	2	0.15
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	2	0.15
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	2	0.15
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	2	0.15
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	2	0.15
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	11	0.15
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	11	0.15
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	11	0.15
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	11	0.15
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	11	0.15
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	11	0.15
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	11	0.15
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	11	0.15
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	3	0.15
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	3	0.15
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	3	0.15
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	8	0.15
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	8	0.15
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	8	0.15
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	9	0.15
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	9	0.15
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	9	0.15
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	5	0.15
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	5	0.15
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	5	0.15
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	13	0.15
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	13	0.15
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	13	0.15
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	30	0.15
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	30	0.15
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	30	0.15
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	36	0.15
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	36	0.15
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	36	0.15
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	15	0.15
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	15	0.15
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	15	0.15
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	38	0.15
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	38	0.15
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	38	0.15
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	18	0.15
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	18	0.15
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	18	0.15
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	18	0.15
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	18	0.15
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	18	0.15
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	32	0.15
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	32	0.15
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	32	0.15
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	32	0.15
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	32	0.15
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	32	0.15
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	18	0.15
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	4	0.15
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	4	0.15
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	4	0.15
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	4	0.15
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	4	0.15
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	4	0.15
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	4	0.15
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	4	0.15
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	4	0.15
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	9	0.15
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	15	0.15
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	20	0.15
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	23	0.15
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	26	0.15
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	32	0.15
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	34	0.15
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	22	0.15
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	22	0.15
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	22	0.15
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	25	0.15
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	25	0.15
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	25	0.15
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	8	0.15
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	8	0.15
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	8	0.15
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	12	0.15
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	12	0.15
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	12	0.15
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	18	0.15
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	18	0.15
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	18	0.15
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	2	0.15
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	7	0.15
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	8	0.15
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	13	0.15
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	22	0.15
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	26	0.15
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	31	0.15
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	32	0.15
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	33	0.15
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	35	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	38	0.15
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	6	0.15
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	6	0.15
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	6	0.15
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	8	0.15
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	8	0.15
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	8	0.15
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	17	0.15
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	17	0.15
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	17	0.15
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	20	0.15
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	20	0.15
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	20	0.15
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	22	0.15
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	22	0.15
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	22	0.15
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	30	0.15
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	30	0.15
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	30	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	5	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	5	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	5	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	8	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	8	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	8	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	10	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	10	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	10	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	12	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	12	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	12	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	13	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	13	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	13	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	14	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	14	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	14	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	15	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	15	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	15	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	18	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	18	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	21	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	21	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	21	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	22	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	22	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	22	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	23	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	23	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	23	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	26	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	26	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	26	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	30	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	30	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	30	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	31	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	31	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	31	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	32	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	32	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	32	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	33	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	33	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	33	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	34	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	34	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	34	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	37	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	37	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	37	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	39	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	39	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	39	0.15
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	40	0.15
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	40	0.15
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	40	0.15
(1,1863)	1:7:A:ALA:HB1	1:8:A:GLU:H	16	0.15
(1,1863)	1:7:A:ALA:HB2	1:8:A:GLU:H	16	0.15
(1,1863)	1:7:A:ALA:HB3	1:8:A:GLU:H	16	0.15
(1,1861)	1:7:A:ALA:HB1	1:88:A:ARG:HA	26	0.15
(1,1861)	1:7:A:ALA:HB2	1:88:A:ARG:HA	26	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1861)	1:7:A:ALA:HB3	1:88:A:ARG:HA	26	0.15
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	4	0.15
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	4	0.15
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	4	0.15
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	10	0.15
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	10	0.15
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	10	0.15
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	14	0.15
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	14	0.15
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	14	0.15
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	18	0.15
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	18	0.15
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	18	0.15
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	28	0.15
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	28	0.15
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	28	0.15
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	34	0.15
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	34	0.15
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	34	0.15
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	39	0.15
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	39	0.15
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	39	0.15
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	1	0.15
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	9	0.15
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	12	0.15
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	2	0.15
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	3	0.15
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	11	0.15
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	12	0.15
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	14	0.15
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	16	0.15
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	17	0.15
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	20	0.15
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	24	0.15
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	26	0.15
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	28	0.15
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	33	0.15
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	34	0.15
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	35	0.15
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	37	0.15
(1,1778)	1:88:A:ARG:HG2	1:88:A:ARG:H	26	0.15
(1,1744)	1:51:A:GLU:HG2	1:51:A:GLU:H	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	10	0.15
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	10	0.15
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	10	0.15
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	10	0.15
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	10	0.15
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	10	0.15
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	10	0.15
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	10	0.15
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	10	0.15
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	27	0.15
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	27	0.15
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	27	0.15
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	27	0.15
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	27	0.15
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	27	0.15
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	27	0.15
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	27	0.15
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	27	0.15
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	28	0.15
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	28	0.15
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	28	0.15
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	28	0.15
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	28	0.15
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	28	0.15
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	28	0.15
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	28	0.15
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	28	0.15
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	13	0.15
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	13	0.15
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	13	0.15
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	31	0.15
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	31	0.15
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	31	0.15
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	15	0.15
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	15	0.15
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	15	0.15
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	15	0.15
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	15	0.15
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	15	0.15
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	15	0.15
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	15	0.15
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	17	0.15
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	17	0.15
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	17	0.15
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	17	0.15
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	17	0.15
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	17	0.15
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	17	0.15
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	17	0.15
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	17	0.15
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	24	0.15
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	24	0.15
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	24	0.15
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	24	0.15
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	24	0.15
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	24	0.15
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	24	0.15
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	24	0.15
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	24	0.15
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	32	0.15
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	32	0.15
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	32	0.15
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	32	0.15
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	32	0.15
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	32	0.15
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	32	0.15
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	32	0.15
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	32	0.15
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	37	0.15
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	37	0.15
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	37	0.15
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	37	0.15
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	37	0.15
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	37	0.15
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	37	0.15
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	37	0.15
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	37	0.15
(1,1679)	1:85:A:LEU:HD11	1:35:A:PHE:HD1	1	0.15
(1,1679)	1:85:A:LEU:HD11	1:35:A:PHE:HD2	1	0.15
(1,1679)	1:85:A:LEU:HD12	1:35:A:PHE:HD1	1	0.15
(1,1679)	1:85:A:LEU:HD12	1:35:A:PHE:HD2	1	0.15
(1,1679)	1:85:A:LEU:HD13	1:35:A:PHE:HD1	1	0.15
(1,1679)	1:85:A:LEU:HD13	1:35:A:PHE:HD2	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	22	0.15
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	22	0.15
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	22	0.15
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	28	0.15
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	28	0.15
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	28	0.15
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	31	0.15
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	31	0.15
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	31	0.15
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	36	0.15
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	36	0.15
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	36	0.15
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	18	0.15
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	18	0.15
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	18	0.15
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	18	0.15
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	18	0.15
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	18	0.15
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	18	0.15
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	18	0.15
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	18	0.15
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	21	0.15
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	21	0.15
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	21	0.15
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	21	0.15
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	21	0.15
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	21	0.15
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	21	0.15
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	21	0.15
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	21	0.15
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	31	0.15
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	31	0.15
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	31	0.15
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	31	0.15
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	31	0.15
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	31	0.15
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	31	0.15
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	31	0.15
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	31	0.15
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	33	0.15
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	33	0.15
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	33	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	33	0.15
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	33	0.15
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	33	0.15
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	33	0.15
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	33	0.15
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	33	0.15
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	14	0.15
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	14	0.15
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	14	0.15
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	15	0.15
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	15	0.15
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	15	0.15
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	19	0.15
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	19	0.15
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	19	0.15
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	25	0.15
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	25	0.15
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	25	0.15
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	29	0.15
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	29	0.15
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	29	0.15
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	39	0.15
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	39	0.15
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	39	0.15
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	40	0.15
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	40	0.15
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	40	0.15
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	29	0.15
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	29	0.15
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	29	0.15
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	11	0.15
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	11	0.15
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	11	0.15
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	15	0.15
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	15	0.15
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	15	0.15
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	2	0.15
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	2	0.15
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	2	0.15
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	2	0.15
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	2	0.15
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	4	0.15
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	4	0.15
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	4	0.15
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	4	0.15
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	4	0.15
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	4	0.15
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	31	0.15
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	31	0.15
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	31	0.15
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	31	0.15
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	31	0.15
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	31	0.15
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	32	0.15
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	32	0.15
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	32	0.15
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	32	0.15
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	32	0.15
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	32	0.15
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	34	0.15
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	34	0.15
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	34	0.15
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	34	0.15
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	34	0.15
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	34	0.15
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	36	0.15
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	36	0.15
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	36	0.15
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	36	0.15
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	36	0.15
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	36	0.15
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	37	0.15
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	37	0.15
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	37	0.15
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	37	0.15
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	37	0.15
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	37	0.15
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	7	0.15
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	7	0.15
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	7	0.15
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	7	0.15
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	7	0.15
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	11	0.15
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	11	0.15
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	11	0.15
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	11	0.15
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	11	0.15
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	11	0.15
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	26	0.15
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	26	0.15
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	26	0.15
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	26	0.15
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	26	0.15
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	26	0.15
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	28	0.15
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	28	0.15
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	28	0.15
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	28	0.15
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	28	0.15
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	28	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	4	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	4	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	4	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	12	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	12	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	12	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	14	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	14	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	14	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	21	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	21	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	21	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	30	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	30	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	30	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	40	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	40	0.15
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	40	0.15
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	6	0.15
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	6	0.15
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	6	0.15
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	10	0.15
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	10	0.15
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	11	0.15
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	11	0.15
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	11	0.15
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	13	0.15
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	13	0.15
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	13	0.15
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	14	0.15
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	14	0.15
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	14	0.15
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	15	0.15
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	15	0.15
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	15	0.15
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	22	0.15
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	22	0.15
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	22	0.15
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	26	0.15
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	26	0.15
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	26	0.15
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	30	0.15
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	30	0.15
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	30	0.15
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	34	0.15
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	34	0.15
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	34	0.15
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	37	0.15
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	37	0.15
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	37	0.15
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	40	0.15
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	40	0.15
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	40	0.15
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	4	0.15
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	4	0.15
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	4	0.15
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	3	0.15
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	3	0.15
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	3	0.15
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	4	0.15
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	4	0.15
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	4	0.15
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	5	0.15
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	5	0.15
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	8	0.15
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	8	0.15
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	8	0.15
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	9	0.15
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	9	0.15
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	9	0.15
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	15	0.15
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	15	0.15
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	15	0.15
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	16	0.15
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	16	0.15
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	16	0.15
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	17	0.15
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	17	0.15
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	17	0.15
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	20	0.15
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	20	0.15
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	20	0.15
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	32	0.15
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	32	0.15
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	32	0.15
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	34	0.15
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	34	0.15
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	34	0.15
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	35	0.15
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	35	0.15
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	35	0.15
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	37	0.15
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	37	0.15
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	37	0.15
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	13	0.15
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	13	0.15
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	13	0.15
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	20	0.15
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	20	0.15
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	20	0.15
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	15	0.15
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	15	0.15
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	15	0.15
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	19	0.15
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	19	0.15
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	21	0.15
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	21	0.15
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	21	0.15
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	19	0.15
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	19	0.15
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	19	0.15
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	19	0.15
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	19	0.15
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	19	0.15
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	27	0.15
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	27	0.15
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	27	0.15
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	27	0.15
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	27	0.15
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	27	0.15
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	33	0.15
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	33	0.15
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	33	0.15
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	33	0.15
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	33	0.15
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	33	0.15
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	35	0.15
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	35	0.15
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	35	0.15
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	35	0.15
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	35	0.15
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	35	0.15
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	20	0.15
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	20	0.15
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	20	0.15
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	23	0.15
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	23	0.15
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	23	0.15
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	25	0.15
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	25	0.15
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	25	0.15
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	27	0.15
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	27	0.15
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	27	0.15
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	38	0.15
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	38	0.15
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	38	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	2	0.15
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	2	0.15
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	2	0.15
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	7	0.15
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	7	0.15
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	7	0.15
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	10	0.15
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	10	0.15
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	10	0.15
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	21	0.15
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	21	0.15
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	21	0.15
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	28	0.15
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	28	0.15
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	28	0.15
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	20	0.15
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	20	0.15
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	20	0.15
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	16	0.15
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	16	0.15
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	16	0.15
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	27	0.15
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	27	0.15
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	27	0.15
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	5	0.15
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	5	0.15
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	5	0.15
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	20	0.15
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	20	0.15
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	20	0.15
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	28	0.15
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	28	0.15
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	28	0.15
(1,1466)	1:78:A:VAL:HG21	1:77:A:GLY:HA3	26	0.15
(1,1466)	1:78:A:VAL:HG22	1:77:A:GLY:HA3	26	0.15
(1,1466)	1:78:A:VAL:HG23	1:77:A:GLY:HA3	26	0.15
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	17	0.15
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	17	0.15
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	17	0.15
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	29	0.15
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	29	0.15
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	29	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	11	0.15
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	11	0.15
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	11	0.15
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	13	0.15
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	13	0.15
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	13	0.15
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	15	0.15
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	15	0.15
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	15	0.15
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	18	0.15
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	18	0.15
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	18	0.15
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	19	0.15
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	19	0.15
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	19	0.15
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	23	0.15
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	23	0.15
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	23	0.15
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	33	0.15
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	33	0.15
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	33	0.15
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	35	0.15
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	35	0.15
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	35	0.15
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	36	0.15
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	36	0.15
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	36	0.15
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	38	0.15
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	38	0.15
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	38	0.15
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	40	0.15
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	40	0.15
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	40	0.15
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	1	0.15
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	1	0.15
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	1	0.15
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	4	0.15
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	4	0.15
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	4	0.15
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	8	0.15
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	8	0.15
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	10	0.15
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	10	0.15
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	10	0.15
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	12	0.15
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	12	0.15
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	12	0.15
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	16	0.15
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	16	0.15
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	16	0.15
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	18	0.15
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	18	0.15
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	18	0.15
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	20	0.15
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	20	0.15
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	20	0.15
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	23	0.15
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	23	0.15
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	23	0.15
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	24	0.15
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	24	0.15
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	24	0.15
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	25	0.15
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	25	0.15
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	25	0.15
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	30	0.15
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	30	0.15
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	30	0.15
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	32	0.15
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	32	0.15
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	32	0.15
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	34	0.15
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	34	0.15
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	34	0.15
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	35	0.15
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	35	0.15
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	35	0.15
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	1	0.15
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	1	0.15
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	1	0.15
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	9	0.15
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	9	0.15
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	12	0.15
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	12	0.15
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	12	0.15
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	23	0.15
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	23	0.15
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	23	0.15
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	29	0.15
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	29	0.15
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	29	0.15
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	36	0.15
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	36	0.15
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	36	0.15
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	37	0.15
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	37	0.15
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	37	0.15
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	9	0.15
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	9	0.15
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	9	0.15
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	15	0.15
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	15	0.15
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	15	0.15
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	33	0.15
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	33	0.15
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	33	0.15
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	34	0.15
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	34	0.15
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	34	0.15
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	37	0.15
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	37	0.15
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	37	0.15
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	26	0.15
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	26	0.15
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	26	0.15
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	26	0.15
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	26	0.15
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	26	0.15
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	26	0.15
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	26	0.15
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	26	0.15
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	37	0.15
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	37	0.15
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	37	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	37	0.15
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	37	0.15
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	37	0.15
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	37	0.15
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	37	0.15
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	37	0.15
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	38	0.15
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	38	0.15
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	38	0.15
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	38	0.15
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	38	0.15
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	38	0.15
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	38	0.15
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	38	0.15
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	38	0.15
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	26	0.15
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	26	0.15
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	26	0.15
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	26	0.15
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	26	0.15
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	26	0.15
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	26	0.15
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	26	0.15
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	26	0.15
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	37	0.15
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	37	0.15
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	37	0.15
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	37	0.15
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	37	0.15
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	37	0.15
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	37	0.15
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	37	0.15
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	37	0.15
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	38	0.15
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	38	0.15
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	38	0.15
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	38	0.15
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	38	0.15
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	38	0.15
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	38	0.15
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	38	0.15
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	38	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	3	0.15
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	19	0.15
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	21	0.15
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	32	0.15
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	2	0.15
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	16	0.15
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	17	0.15
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	22	0.15
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	28	0.15
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	1	0.15
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	24	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	1	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	1	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	1	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	4	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	4	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	4	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	6	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	6	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	6	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	10	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	10	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	10	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	13	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	13	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	13	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	23	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	23	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	23	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	27	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	27	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	27	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	34	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	34	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	34	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	39	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	39	0.15
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	39	0.15
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	4	0.15
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	4	0.15
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	4	0.15
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	4	0.15
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	4	0.15
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	4	0.15
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	4	0.15
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	4	0.15
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	1	0.15
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	1	0.15
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	1	0.15
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	4	0.15
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	4	0.15
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	4	0.15
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	6	0.15
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	6	0.15
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	6	0.15
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	10	0.15
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	10	0.15
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	10	0.15
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	13	0.15
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	13	0.15
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	13	0.15
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	23	0.15
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	23	0.15
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	23	0.15
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	27	0.15
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	27	0.15
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	27	0.15
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	34	0.15
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	34	0.15
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	34	0.15
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	39	0.15
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	39	0.15
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	39	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	5	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	5	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	5	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	5	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	5	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	5	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	5	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	5	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	5	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	6	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	6	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	6	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	6	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	6	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	6	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	6	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	6	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	7	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	7	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	7	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	7	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	7	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	7	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	7	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	7	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	7	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	9	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	9	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	9	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	9	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	9	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	9	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	9	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	9	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	9	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	11	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	11	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	11	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	11	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	11	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	11	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	11	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	11	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	11	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	25	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	25	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	25	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	25	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	25	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	25	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	25	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	25	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	25	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	31	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	31	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	31	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	31	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	31	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	31	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	31	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	31	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	31	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	36	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	36	0.15
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	36	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	36	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	36	0.15
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	36	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	36	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	36	0.15
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	36	0.15
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	7	0.15
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	7	0.15
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	7	0.15
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	14	0.15
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	14	0.15
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	14	0.15
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	19	0.15
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	19	0.15
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	19	0.15
(1,1257)	1:67:A:THR:HG21	1:26:A:SER:HB2	11	0.15
(1,1257)	1:67:A:THR:HG22	1:26:A:SER:HB2	11	0.15
(1,1257)	1:67:A:THR:HG23	1:26:A:SER:HB2	11	0.15
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	2	0.15
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	2	0.15
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	2	0.15
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	6	0.15
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	6	0.15
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	6	0.15
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	9	0.15
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	9	0.15
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	9	0.15
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	18	0.15
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	18	0.15
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	23	0.15
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	23	0.15
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	23	0.15
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	29	0.15
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	29	0.15
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	29	0.15
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	30	0.15
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	30	0.15
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	30	0.15
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	32	0.15
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	32	0.15
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	32	0.15
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	38	0.15
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	38	0.15
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	38	0.15
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	14	0.15
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	14	0.15
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	14	0.15
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	23	0.15
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	23	0.15
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	23	0.15
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	36	0.15
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	36	0.15
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	36	0.15
(1,1226)	1:101:A:LEU:H	1:22:A:SER:HA	15	0.15
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	15	0.15
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	15	0.15
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	15	0.15
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	27	0.15
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	27	0.15
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	27	0.15
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG21	24	0.15
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG22	24	0.15
(1,1200)	1:39:A:ILE:H	1:39:A:ILE:HG23	24	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	4	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	4	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	4	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	10	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	10	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	11	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	11	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	11	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	14	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	14	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	14	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	16	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	16	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	16	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	17	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	17	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	17	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	22	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	22	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	22	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	40	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	40	0.15
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	40	0.15
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	5	0.15
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG11	6	0.15
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG12	6	0.15
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG13	6	0.15
(1,1174)	1:91:A:ALA:H	1:84:A:ARG:HA	5	0.15
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	11	0.15
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	7	0.15
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	7	0.15
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	9	0.15
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	9	0.15
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	18	0.15
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	18	0.15
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	26	0.15
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	26	0.15
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	6	0.15
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	22	0.15
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	20	0.15
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	29	0.15
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	6	0.15
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	11	0.15
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	29	0.15
(1,1002)	1:5:A:PHE:H	1:4:A:PRO:HA	15	0.15
(1,1002)	1:5:A:PHE:H	1:4:A:PRO:HA	18	0.15
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	2	0.15
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	2	0.15
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	19	0.15
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	19	0.15
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	19	0.15
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	16	0.15
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	18	0.15
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	22	0.15
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	24	0.15
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	25	0.15
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	28	0.15
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	30	0.15
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	32	0.15
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	35	0.15
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	37	0.15
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	40	0.15
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	2	0.15
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	16	0.15
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	17	0.15
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	22	0.15
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	28	0.15
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG21	5	0.15
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG22	5	0.15
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG23	5	0.15
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	3	0.15
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	12	0.15
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	18	0.15
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	29	0.15
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	37	0.15
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	38	0.15
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	39	0.15
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	3	0.15
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	31	0.15
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	2	0.15
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	2	0.15
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	2	0.15
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	4	0.15
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	4	0.15
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	4	0.15
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	10	0.15
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	10	0.15
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	12	0.15
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	12	0.15
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	12	0.15
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	15	0.15
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	15	0.15
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	15	0.15
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	20	0.15
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	1	0.15
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	5	0.15
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	30	0.15
(1,875)	1:8:A:GLU:H	1:7:A:ALA:HB1	16	0.15
(1,875)	1:8:A:GLU:H	1:7:A:ALA:HB2	16	0.15
(1,875)	1:8:A:GLU:H	1:7:A:ALA:HB3	16	0.15
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	2	0.15
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	8	0.15
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	22	0.15
(1,869)	1:8:A:GLU:H	1:7:A:ALA:HA	35	0.15
(1,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	33	0.15
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	22	0.15
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	22	0.15
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	22	0.15
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	30	0.15
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	30	0.15
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	30	0.15
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	32	0.15
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	32	0.15
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	32	0.15
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	5	0.15
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	5	0.15
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	5	0.15
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	29	0.15
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	29	0.15
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	29	0.15
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	39	0.15
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	39	0.15
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	39	0.15
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	20	0.15
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	22	0.15
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	23	0.15
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	5	0.15
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	5	0.15
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	20	0.15
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	20	0.15
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	20	0.15
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	28	0.15
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	28	0.15
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	28	0.15
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	19	0.15
(1,801)	1:54:A:LYS:H	1:54:A:LYS:HD2	28	0.15
(1,786)	1:6:A:THR:H	1:6:A:THR:HG21	29	0.15
(1,786)	1:6:A:THR:H	1:6:A:THR:HG22	29	0.15
(1,786)	1:6:A:THR:H	1:6:A:THR:HG23	29	0.15
(1,776)	1:6:A:THR:H	1:6:A:THR:HA	16	0.15
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	22	0.15
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	27	0.15
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	30	0.15
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	38	0.15
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	7	0.15
(1,672)	1:72:A:THR:H	1:73:A:PRO:HD2	18	0.15
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	8	0.15
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	23	0.15
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	36	0.15
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	9	0.15
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	16	0.15
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	24	0.15
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	34	0.15
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	39	0.15
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	40	0.15
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	24	0.15
(1,605)	1:50:A:THR:H	1:49:A:LEU:HB2	37	0.15
(1,591)	1:3:A:ASP:H	1:3:A:ASP:HA	40	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	2	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	2	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	2	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	11	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	11	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	11	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	21	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	21	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	21	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	22	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	22	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	22	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	23	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	23	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	23	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	25	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	25	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	25	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	30	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	30	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	30	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	34	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	34	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	34	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	36	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	36	0.15
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	36	0.15
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	18	0.15
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	19	0.15
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	31	0.15
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	33	0.15
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	39	0.15
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	7	0.15
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	7	0.15
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	19	0.15
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	19	0.15
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	8	0.15
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	6	0.15
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	12	0.15
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	14	0.15
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	37	0.15
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	13	0.15
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	29	0.15
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	31	0.15
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	3	0.15
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	4	0.15
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	6	0.15
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	11	0.15
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	13	0.15
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	19	0.15
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	21	0.15
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	23	0.15
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	25	0.15
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	31	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	33	0.15
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	35	0.15
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	36	0.15
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	37	0.15
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	39	0.15
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	5	0.15
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	8	0.15
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	15	0.15
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	37	0.15
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	1	0.15
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	2	0.15
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	10	0.15
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	11	0.15
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	18	0.15
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	21	0.15
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	24	0.15
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	31	0.15
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	32	0.15
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	33	0.15
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	34	0.15
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	40	0.15
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	2	0.15
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	5	0.15
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	12	0.15
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	16	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	3	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	3	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	3	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	4	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	4	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	4	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	9	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	9	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	9	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	11	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	11	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	11	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	15	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	15	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	15	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	16	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	16	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	20	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	20	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	20	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	22	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	22	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	22	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	23	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	23	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	23	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	25	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	25	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	25	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	26	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	26	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	26	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	28	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	28	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	28	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	32	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	32	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	32	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	36	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	36	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	36	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	37	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	37	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	37	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	38	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	38	0.15
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	38	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	11	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	11	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	11	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	13	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	13	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	13	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	15	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	15	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	15	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	18	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	18	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	19	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	19	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	19	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	23	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	23	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	23	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	33	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	33	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	33	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	35	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	35	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	35	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	36	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	36	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	36	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	38	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	38	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	38	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	40	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	40	0.15
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	40	0.15
(1,368)	1:18:A:ASN:H	1:17:A:GLN:HB3	5	0.15
(1,343)	1:14:A:LYS:H	1:33:A:VAL:HA	20	0.15
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	12	0.15
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	12	0.15
(1,314)	1:63:A:CYS:H	1:64:A:HIS:HD2	27	0.15
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	9	0.15
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	15	0.15
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	20	0.15
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	23	0.15
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	26	0.15
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	32	0.15
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	34	0.15
(1,274)	1:66:A:MET:H	1:66:A:MET:HG3	4	0.15
(1,242)	1:95:A:ALA:H	1:96:A:GLU:H	28	0.15
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	6	0.15
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	6	0.15
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	9	0.15
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	9	0.15
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	20	0.15
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	3	0.15
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	5	0.15
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	8	0.15
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	10	0.15
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	12	0.15
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	20	0.15
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	27	0.15
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	3	0.15
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	3	0.15
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	3	0.15
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	32	0.15
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	32	0.15
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	32	0.15
(1,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	27	0.15
(1,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	28	0.15
(1,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	30	0.15
(1,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	34	0.15
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	28	0.15
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	30	0.15
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	32	0.15
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	38	0.15
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	39	0.15
(1,142)	1:101:A:LEU:H	1:100:A:GLU:HB2	14	0.15
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	6	0.15
(1,111)	1:63:A:CYS:H	1:60:A:ASP:H	16	0.15
(1,100)	1:22:A:SER:H	1:21:A:VAL:HB	3	0.15
(1,70)	1:51:A:GLU:H	1:51:A:GLU:HG2	15	0.15
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	4	0.15
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	6	0.15
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	22	0.15
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	33	0.15
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	20	0.15
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	34	0.15
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	36	0.15
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	1	0.15
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	9	0.15
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	13	0.15
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	15	0.15
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	18	0.15
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	22	0.15
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	23	0.15
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	30	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	38	0.15
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	10	0.15
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	17	0.15
(1,22)	1:89:A:GLY:H	1:85:A:LEU:H	8	0.15
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	6	0.15
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	11	0.15
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	15	0.15
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	18	0.15
(1,18)	1:89:A:GLY:H	1:89:A:GLY:HA3	19	0.15
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	4	0.14
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	4	0.14
(3,3218)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	10	0.14
(3,3218)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	10	0.14
(3,3217)	1:69:A:HIS:HE1	1:67:A:THR:HB	30	0.14
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	21	0.14
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	21	0.14
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	21	0.14
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	21	0.14
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	21	0.14
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	21	0.14
(3,3203)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	12	0.14
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	5	0.14
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	5	0.14
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	5	0.14
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	5	0.14
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	8	0.14
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	8	0.14
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	8	0.14
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	8	0.14
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	33	0.14
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	33	0.14
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	33	0.14
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	33	0.14
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	15	0.14
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	36	0.14
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	16	0.14
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	16	0.14
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	16	0.14
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	28	0.14
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	28	0.14
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	28	0.14
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	33	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	33	0.14
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	33	0.14
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	39	0.14
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	39	0.14
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	39	0.14
(3,3175)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	15	0.14
(3,3175)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	17	0.14
(3,3175)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	28	0.14
(3,3175)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	29	0.14
(3,3164)	1:42:A:TRP:HD1	1:41:A:THR:HA	6	0.14
(3,3164)	1:42:A:TRP:HD1	1:41:A:THR:HA	11	0.14
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	7	0.14
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	7	0.14
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	15	0.14
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	15	0.14
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	16	0.14
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	16	0.14
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	20	0.14
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	20	0.14
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	35	0.14
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	35	0.14
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	36	0.14
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	36	0.14
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	39	0.14
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	39	0.14
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	7	0.14
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	7	0.14
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	10	0.14
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	10	0.14
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	21	0.14
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	21	0.14
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	24	0.14
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	24	0.14
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	33	0.14
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	33	0.14
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	37	0.14
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	37	0.14
(3,3139)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	13	0.14
(3,3139)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	13	0.14
(3,3138)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	23	0.14
(3,3138)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	23	0.14
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	15	0.14
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	32	0.14
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	32	0.14
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	39	0.14
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	39	0.14
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	1	0.14
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	1	0.14
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	7	0.14
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	7	0.14
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	22	0.14
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	22	0.14
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	27	0.14
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	27	0.14
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	1	0.14
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	1	0.14
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	7	0.14
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	7	0.14
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	22	0.14
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	22	0.14
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	27	0.14
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	27	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	3	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	3	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	3	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	3	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	3	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	3	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	11	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	11	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	11	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	11	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	11	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	11	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	14	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	14	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	14	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	14	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	14	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	14	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	15	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	15	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	15	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	15	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	15	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	21	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	21	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	21	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	21	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	21	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	21	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	22	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	22	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	22	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	22	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	22	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	22	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	23	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	23	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	23	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	23	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	23	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	23	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	25	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	25	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	25	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	25	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	25	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	25	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	27	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	27	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	27	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	27	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	27	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	27	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	30	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	30	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	30	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	30	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	30	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	30	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	38	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	38	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	38	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	38	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	38	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	38	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	39	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	39	0.14
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	39	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	39	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	39	0.14
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	39	0.14
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	23	0.14
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	23	0.14
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	23	0.14
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	23	0.14
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	23	0.14
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	23	0.14
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	34	0.14
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	34	0.14
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	34	0.14
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	34	0.14
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	34	0.14
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	34	0.14
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	19	0.14
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	19	0.14
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	19	0.14
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	19	0.14
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	25	0.14
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	25	0.14
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	25	0.14
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	25	0.14
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	31	0.14
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	31	0.14
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	31	0.14
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	31	0.14
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	4	0.14
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	4	0.14
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	4	0.14
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	4	0.14
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	4	0.14
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	4	0.14
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	8	0.14
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	8	0.14
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	8	0.14
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	8	0.14
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	8	0.14
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	31	0.14
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	31	0.14
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	31	0.14
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	31	0.14
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	31	0.14
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	31	0.14
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	33	0.14
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	33	0.14
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	33	0.14
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	33	0.14
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	33	0.14
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	33	0.14
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	40	0.14
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	40	0.14
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	40	0.14
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	40	0.14
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	40	0.14
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	40	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	1	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	1	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	1	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	2	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	2	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	2	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	7	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	7	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	7	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	15	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	15	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	15	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	32	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	32	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	32	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	34	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	34	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	34	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	37	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	37	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	37	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	40	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	40	0.14
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	40	0.14
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	11	0.14
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	11	0.14
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	12	0.14
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	12	0.14
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	21	0.14
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	21	0.14
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	23	0.14
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	23	0.14
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	25	0.14
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	25	0.14
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	34	0.14
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	34	0.14
(3,3055)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	9	0.14
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG21	15	0.14
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG22	15	0.14
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG23	15	0.14
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	4	0.14
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	4	0.14
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	9	0.14
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	9	0.14
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	39	0.14
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	39	0.14
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	1	0.14
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	1	0.14
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	19	0.14
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	19	0.14
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	28	0.14
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	28	0.14
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	5	0.14
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	5	0.14
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	5	0.14
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	7	0.14
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	7	0.14
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	7	0.14
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	26	0.14
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	26	0.14
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	26	0.14
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	32	0.14
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	32	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	32	0.14
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	4	0.14
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	24	0.14
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	28	0.14
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	33	0.14
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	5	0.14
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	39	0.14
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	40	0.14
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	28	0.14
(3,2970)	1:44:A:LYS:HE2	1:44:A:LYS:HG3	2	0.14
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	15	0.14
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	6	0.14
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	15	0.14
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	26	0.14
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	29	0.14
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	30	0.14
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	36	0.14
(3,2949)	1:90:A:GLU:HA	1:84:A:ARG:HA	1	0.14
(3,2949)	1:90:A:GLU:HA	1:84:A:ARG:HA	5	0.14
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	7	0.14
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	7	0.14
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	15	0.14
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	15	0.14
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	16	0.14
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	16	0.14
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	20	0.14
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	20	0.14
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	35	0.14
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	35	0.14
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	36	0.14
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	36	0.14
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	39	0.14
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	39	0.14
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	11	0.14
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	30	0.14
(3,2936)	1:17:A:GLN:HG2	1:17:A:GLN:H	37	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	1	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	6	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	8	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	9	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	19	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	23	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	24	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	25	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	26	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	30	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	31	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	32	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	33	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	34	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	35	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	37	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	39	0.14
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	40	0.14
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	14	0.14
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	17	0.14
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	18	0.14
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	34	0.14
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	35	0.14
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	39	0.14
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	40	0.14
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	7	0.14
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	2	0.14
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	4	0.14
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	6	0.14
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	11	0.14
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	29	0.14
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	31	0.14
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	33	0.14
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	34	0.14
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	4	0.14
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	19	0.14
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	3	0.14
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	4	0.14
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	6	0.14
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	7	0.14
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	12	0.14
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	16	0.14
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	19	0.14
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	37	0.14
(3,2719)	1:48:A:GLU:HA	1:49:A:LEU:HG	16	0.14
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	6	0.14
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	6	0.14
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	20	0.14
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	26	0.14
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	30	0.14
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	33	0.14
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	34	0.14
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	36	0.14
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	37	0.14
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	2	0.14
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	8	0.14
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	15	0.14
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	18	0.14
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	20	0.14
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	23	0.14
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	24	0.14
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	27	0.14
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	31	0.14
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	32	0.14
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	37	0.14
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	40	0.14
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	1	0.14
(3,2601)	1:36:A:ASP:HB3	1:37:A:ASP:H	36	0.14
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	19	0.14
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	4	0.14
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	6	0.14
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	7	0.14
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	15	0.14
(3,2541)	1:73:A:PRO:HG3	1:73:A:PRO:HA	24	0.14
(3,2541)	1:73:A:PRO:HG3	1:73:A:PRO:HA	36	0.14
(3,2541)	1:73:A:PRO:HG3	1:73:A:PRO:HA	40	0.14
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	14	0.14
(3,2514)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	16	0.14
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	8	0.14
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	17	0.14
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	3	0.14
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	5	0.14
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	6	0.14
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	7	0.14
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	12	0.14
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	14	0.14
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	28	0.14
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	16	0.14
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	27	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	38	0.14
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	19	0.14
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	21	0.14
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	24	0.14
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	25	0.14
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	35	0.14
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	1	0.14
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	7	0.14
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	10	0.14
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	26	0.14
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	27	0.14
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	34	0.14
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	5	0.14
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	5	0.14
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	5	0.14
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	15	0.14
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	15	0.14
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	15	0.14
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	31	0.14
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	31	0.14
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	31	0.14
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	35	0.14
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	35	0.14
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	35	0.14
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	37	0.14
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	37	0.14
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	37	0.14
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	38	0.14
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	38	0.14
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	38	0.14
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	1	0.14
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	1	0.14
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	1	0.14
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	16	0.14
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	16	0.14
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	16	0.14
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	19	0.14
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	19	0.14
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	19	0.14
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	1	0.14
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	10	0.14
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	15	0.14
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	20	0.14
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	21	0.14
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	23	0.14
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	24	0.14
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	26	0.14
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	27	0.14
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	30	0.14
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	32	0.14
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	36	0.14
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	39	0.14
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	40	0.14
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	11	0.14
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	11	0.14
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	11	0.14
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	34	0.14
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	34	0.14
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	34	0.14
(3,2240)	1:18:A:ASN:HB2	1:18:A:ASN:H	7	0.14
(3,2240)	1:18:A:ASN:HB2	1:18:A:ASN:H	22	0.14
(3,2240)	1:18:A:ASN:HB2	1:18:A:ASN:H	23	0.14
(3,2240)	1:18:A:ASN:HB2	1:18:A:ASN:H	31	0.14
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	27	0.14
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	27	0.14
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	27	0.14
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	13	0.14
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	19	0.14
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	34	0.14
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	39	0.14
(3,2139)	1:67:A:THR:HB	1:56:A:ASN:HB2	4	0.14
(3,2102)	1:40:A:VAL:HG21	1:83:A:ALA:HA	11	0.14
(3,2102)	1:40:A:VAL:HG22	1:83:A:ALA:HA	11	0.14
(3,2102)	1:40:A:VAL:HG23	1:83:A:ALA:HA	11	0.14
(3,2102)	1:40:A:VAL:HG21	1:83:A:ALA:HA	22	0.14
(3,2102)	1:40:A:VAL:HG22	1:83:A:ALA:HA	22	0.14
(3,2102)	1:40:A:VAL:HG23	1:83:A:ALA:HA	22	0.14
(3,2102)	1:40:A:VAL:HG21	1:83:A:ALA:HA	31	0.14
(3,2102)	1:40:A:VAL:HG22	1:83:A:ALA:HA	31	0.14
(3,2102)	1:40:A:VAL:HG23	1:83:A:ALA:HA	31	0.14
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	2	0.14
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	2	0.14
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	16	0.14
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	16	0.14
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	16	0.14
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	28	0.14
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	28	0.14
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	28	0.14
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	35	0.14
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	35	0.14
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	35	0.14
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	39	0.14
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	39	0.14
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	39	0.14
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	6	0.14
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	6	0.14
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	6	0.14
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	6	0.14
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	6	0.14
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	6	0.14
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	11	0.14
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	11	0.14
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	11	0.14
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	11	0.14
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	11	0.14
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	11	0.14
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	27	0.14
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	27	0.14
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	27	0.14
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	27	0.14
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	27	0.14
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	27	0.14
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	34	0.14
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	34	0.14
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	34	0.14
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	34	0.14
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	34	0.14
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	34	0.14
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	38	0.14
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	38	0.14
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	38	0.14
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	38	0.14
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	38	0.14
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	38	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2073)	1:94:A:THR:HG21	1:93:A:SER:HA	29	0.14
(3,2073)	1:94:A:THR:HG22	1:93:A:SER:HA	29	0.14
(3,2073)	1:94:A:THR:HG23	1:93:A:SER:HA	29	0.14
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	5	0.14
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	5	0.14
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	5	0.14
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	5	0.14
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	5	0.14
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	5	0.14
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	5	0.14
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	5	0.14
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	5	0.14
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	17	0.14
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	17	0.14
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	17	0.14
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	17	0.14
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	17	0.14
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	17	0.14
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	17	0.14
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	17	0.14
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	17	0.14
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	16	0.14
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	16	0.14
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	16	0.14
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	16	0.14
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	16	0.14
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	16	0.14
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	19	0.14
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	19	0.14
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	19	0.14
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	19	0.14
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	19	0.14
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	19	0.14
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	25	0.14
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	25	0.14
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	25	0.14
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	37	0.14
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	37	0.14
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	37	0.14
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	2	0.14
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	2	0.14
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	8	0.14
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	8	0.14
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	8	0.14
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	17	0.14
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	17	0.14
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	17	0.14
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	22	0.14
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	22	0.14
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	22	0.14
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	28	0.14
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	28	0.14
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	28	0.14
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	40	0.14
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	40	0.14
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	40	0.14
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	1	0.14
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	1	0.14
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	1	0.14
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	1	0.14
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	1	0.14
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	1	0.14
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	11	0.14
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	11	0.14
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	11	0.14
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	11	0.14
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	11	0.14
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	11	0.14
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	14	0.14
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	14	0.14
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	14	0.14
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	14	0.14
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	14	0.14
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	14	0.14
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	17	0.14
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	17	0.14
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	17	0.14
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	17	0.14
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	17	0.14
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	17	0.14
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	17	0.14
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	17	0.14
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	20	0.14
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	20	0.14
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	20	0.14
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	20	0.14
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	20	0.14
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	20	0.14
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	20	0.14
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	20	0.14
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	20	0.14
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	5	0.14
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	6	0.14
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	7	0.14
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	14	0.14
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	16	0.14
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	27	0.14
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	28	0.14
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	35	0.14
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	18	0.14
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	18	0.14
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	18	0.14
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	20	0.14
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	20	0.14
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	20	0.14
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	32	0.14
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	32	0.14
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	32	0.14
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	9	0.14
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	9	0.14
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	9	0.14
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	28	0.14
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	28	0.14
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	28	0.14
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	14	0.14
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	23	0.14
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	25	0.14
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	28	0.14
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	30	0.14
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	37	0.14
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	39	0.14
(3,1959)	1:72:A:THR:HG21	1:74:A:ASP:HB3	11	0.14
(3,1959)	1:72:A:THR:HG22	1:74:A:ASP:HB3	11	0.14
(3,1959)	1:72:A:THR:HG23	1:74:A:ASP:HB3	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1959)	1:72:A:THR:HG21	1:74:A:ASP:HB3	36	0.14
(3,1959)	1:72:A:THR:HG22	1:74:A:ASP:HB3	36	0.14
(3,1959)	1:72:A:THR:HG23	1:74:A:ASP:HB3	36	0.14
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	4	0.14
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	4	0.14
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	4	0.14
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	14	0.14
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	14	0.14
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	14	0.14
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	22	0.14
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	22	0.14
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	22	0.14
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	32	0.14
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	32	0.14
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	32	0.14
(3,1906)	1:66:A:MET:HE1	1:79:A:TYR:HA	7	0.14
(3,1906)	1:66:A:MET:HE2	1:79:A:TYR:HA	7	0.14
(3,1906)	1:66:A:MET:HE3	1:79:A:TYR:HA	7	0.14
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	5	0.14
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	5	0.14
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	5	0.14
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	9	0.14
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	9	0.14
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	9	0.14
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	13	0.14
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	13	0.14
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	13	0.14
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	14	0.14
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	14	0.14
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	14	0.14
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	16	0.14
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	16	0.14
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	16	0.14
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	23	0.14
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	23	0.14
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	23	0.14
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	32	0.14
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	32	0.14
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	32	0.14
(3,1899)	1:47:A:THR:HG21	1:44:A:LYS:HB3	10	0.14
(3,1899)	1:47:A:THR:HG22	1:44:A:LYS:HB3	10	0.14
(3,1899)	1:47:A:THR:HG23	1:44:A:LYS:HB3	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1899)	1:47:A:THR:HG21	1:44:A:LYS:HB3	37	0.14
(3,1899)	1:47:A:THR:HG22	1:44:A:LYS:HB3	37	0.14
(3,1899)	1:47:A:THR:HG23	1:44:A:LYS:HB3	37	0.14
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	6	0.14
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	6	0.14
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	6	0.14
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	17	0.14
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	17	0.14
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	17	0.14
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	20	0.14
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	20	0.14
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	20	0.14
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	25	0.14
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	25	0.14
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	25	0.14
(3,1897)	1:41:A:THR:HG21	1:41:A:THR:H	28	0.14
(3,1897)	1:41:A:THR:HG22	1:41:A:THR:H	28	0.14
(3,1897)	1:41:A:THR:HG23	1:41:A:THR:H	28	0.14
(3,1864)	1:7:A:ALA:HB1	1:88:A:ARG:HA	16	0.14
(3,1864)	1:7:A:ALA:HB2	1:88:A:ARG:HA	16	0.14
(3,1864)	1:7:A:ALA:HB3	1:88:A:ARG:HA	16	0.14
(3,1864)	1:7:A:ALA:HB1	1:88:A:ARG:HA	37	0.14
(3,1864)	1:7:A:ALA:HB2	1:88:A:ARG:HA	37	0.14
(3,1864)	1:7:A:ALA:HB3	1:88:A:ARG:HA	37	0.14
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	17	0.14
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	17	0.14
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	17	0.14
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	20	0.14
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	20	0.14
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	20	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	3	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	4	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	5	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	7	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	10	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	13	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	14	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	15	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	17	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	19	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	20	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	21	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	22	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	23	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	24	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	25	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	29	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	30	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	31	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	32	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	34	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	35	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	36	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	38	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	39	0.14
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	40	0.14
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	15	0.14
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	18	0.14
(3,1813)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	27	0.14
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	15	0.14
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	2	0.14
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	2	0.14
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	2	0.14
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	2	0.14
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	2	0.14
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	2	0.14
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	2	0.14
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	2	0.14
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	2	0.14
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	20	0.14
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	20	0.14
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	20	0.14
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	20	0.14
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	20	0.14
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	20	0.14
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	20	0.14
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	20	0.14
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	20	0.14
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	25	0.14
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	25	0.14
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	25	0.14
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	25	0.14
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	25	0.14
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	25	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	25	0.14
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	25	0.14
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	25	0.14
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	4	0.14
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	4	0.14
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	4	0.14
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	26	0.14
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	26	0.14
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	26	0.14
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	3	0.14
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	3	0.14
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	3	0.14
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	3	0.14
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	3	0.14
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	3	0.14
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	3	0.14
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	3	0.14
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	3	0.14
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	8	0.14
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	8	0.14
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	8	0.14
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	8	0.14
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	8	0.14
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	8	0.14
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	8	0.14
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	8	0.14
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	8	0.14
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	14	0.14
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	14	0.14
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	14	0.14
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	14	0.14
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	14	0.14
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	14	0.14
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	14	0.14
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	14	0.14
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	14	0.14
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	26	0.14
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	26	0.14
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	26	0.14
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	26	0.14
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	26	0.14
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	26	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	26	0.14
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	26	0.14
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	26	0.14
(3,1683)	1:85:A:LEU:HD11	1:35:A:PHE:HD1	5	0.14
(3,1683)	1:85:A:LEU:HD11	1:35:A:PHE:HD2	5	0.14
(3,1683)	1:85:A:LEU:HD12	1:35:A:PHE:HD1	5	0.14
(3,1683)	1:85:A:LEU:HD12	1:35:A:PHE:HD2	5	0.14
(3,1683)	1:85:A:LEU:HD13	1:35:A:PHE:HD1	5	0.14
(3,1683)	1:85:A:LEU:HD13	1:35:A:PHE:HD2	5	0.14
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	32	0.14
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	32	0.14
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	32	0.14
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	32	0.14
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	32	0.14
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	32	0.14
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	32	0.14
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	32	0.14
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	32	0.14
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	1	0.14
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	1	0.14
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	1	0.14
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	5	0.14
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	5	0.14
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	5	0.14
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	8	0.14
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	8	0.14
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	8	0.14
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	11	0.14
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	11	0.14
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	11	0.14
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	13	0.14
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	13	0.14
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	13	0.14
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	21	0.14
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	21	0.14
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	21	0.14
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	22	0.14
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	22	0.14
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	22	0.14
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	24	0.14
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	24	0.14
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	24	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	27	0.14
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	27	0.14
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	27	0.14
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	30	0.14
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	30	0.14
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	30	0.14
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	31	0.14
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	31	0.14
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	31	0.14
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	32	0.14
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	32	0.14
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	32	0.14
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	34	0.14
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	34	0.14
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	34	0.14
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	38	0.14
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	38	0.14
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	38	0.14
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	1	0.14
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	1	0.14
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	1	0.14
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	14	0.14
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	14	0.14
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	14	0.14
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	22	0.14
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	22	0.14
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	22	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	3	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	3	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	3	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	3	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	3	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	3	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	11	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	11	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	11	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	11	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	11	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	11	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	14	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	14	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	14	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	14	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	14	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	15	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	15	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	15	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	15	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	15	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	15	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	21	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	21	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	21	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	21	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	21	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	21	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	22	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	22	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	22	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	22	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	22	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	22	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	23	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	23	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	23	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	23	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	23	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	23	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	25	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	25	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	25	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	25	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	25	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	25	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	27	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	27	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	27	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	27	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	27	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	27	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	30	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	30	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	30	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	30	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	30	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	30	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	38	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	38	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	38	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	38	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	38	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	38	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	39	0.14
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	39	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	39	0.14
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	39	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	39	0.14
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	39	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	2	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	2	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	2	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	2	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	2	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	2	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	22	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	22	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	22	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	22	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	22	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	22	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	24	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	24	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	24	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	24	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	24	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	24	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	25	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	25	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	25	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	25	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	25	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	25	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	34	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	34	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	34	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	34	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	34	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	34	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	35	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	35	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	35	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	35	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	35	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	35	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	36	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	36	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	36	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	36	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	36	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	36	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	38	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	38	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	38	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	38	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	38	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	38	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	39	0.14
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	39	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	39	0.14
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	39	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	39	0.14
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	39	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	9	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	9	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	9	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	10	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	10	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	10	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	16	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	16	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	16	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	17	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	17	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	17	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	19	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	19	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	28	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	28	0.14
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	28	0.14
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	3	0.14
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	3	0.14
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	3	0.14
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	7	0.14
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	7	0.14
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	7	0.14
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	8	0.14
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	8	0.14
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	8	0.14
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	12	0.14
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	12	0.14
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	12	0.14
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	16	0.14
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	16	0.14
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	16	0.14
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	29	0.14
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	29	0.14
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	29	0.14
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	33	0.14
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	33	0.14
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	33	0.14
(3,1563)	1:10:A:ILE:HD11	1:10:A:ILE:HA	36	0.14
(3,1563)	1:10:A:ILE:HD12	1:10:A:ILE:HA	36	0.14
(3,1563)	1:10:A:ILE:HD13	1:10:A:ILE:HA	36	0.14
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	29	0.14
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	29	0.14
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	29	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	3	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	3	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	3	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	5	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	5	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	5	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	6	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	6	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	6	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	7	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	7	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	9	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	9	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	9	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	10	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	10	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	10	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	12	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	12	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	12	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	16	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	16	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	16	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	17	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	17	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	17	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	18	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	18	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	18	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	19	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	19	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	19	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	20	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	20	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	20	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	23	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	23	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	23	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	25	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	25	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	25	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	26	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	26	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	26	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	29	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	29	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	29	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	30	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	30	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	30	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	31	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	31	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	31	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	32	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	32	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	32	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	33	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	33	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	33	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	34	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	34	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	34	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	37	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	37	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	37	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	38	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	38	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	38	0.14
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	39	0.14
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	39	0.14
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	39	0.14
(3,1539)	1:2:A:ILE:HD11	1:2:A:ILE:HA	29	0.14
(3,1539)	1:2:A:ILE:HD12	1:2:A:ILE:HA	29	0.14
(3,1539)	1:2:A:ILE:HD13	1:2:A:ILE:HA	29	0.14
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	2	0.14
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	2	0.14
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	2	0.14
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	7	0.14
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	7	0.14
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	7	0.14
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	11	0.14
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	11	0.14
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	11	0.14
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	18	0.14
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	18	0.14
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	18	0.14
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	23	0.14
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	23	0.14
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	23	0.14
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	25	0.14
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	25	0.14
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	25	0.14
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	30	0.14
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	30	0.14
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	30	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	31	0.14
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	31	0.14
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	31	0.14
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	33	0.14
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	33	0.14
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	33	0.14
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	39	0.14
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	39	0.14
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	39	0.14
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	1	0.14
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	1	0.14
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	1	0.14
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	5	0.14
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	5	0.14
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	5	0.14
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	23	0.14
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	23	0.14
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	23	0.14
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	37	0.14
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	37	0.14
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	37	0.14
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	16	0.14
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	16	0.14
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	16	0.14
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	28	0.14
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	28	0.14
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	28	0.14
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	33	0.14
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	33	0.14
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	33	0.14
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	39	0.14
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	39	0.14
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	39	0.14
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	4	0.14
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	4	0.14
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	4	0.14
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	4	0.14
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	4	0.14
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	4	0.14
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	7	0.14
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	7	0.14
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	7	0.14
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	7	0.14
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	7	0.14
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	12	0.14
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	12	0.14
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	12	0.14
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	12	0.14
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	12	0.14
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	12	0.14
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	21	0.14
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	21	0.14
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	21	0.14
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	21	0.14
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	21	0.14
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	21	0.14
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	23	0.14
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	23	0.14
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	23	0.14
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	23	0.14
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	23	0.14
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	23	0.14
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	40	0.14
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	40	0.14
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	40	0.14
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	40	0.14
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	40	0.14
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	40	0.14
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	8	0.14
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	8	0.14
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	8	0.14
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	13	0.14
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	13	0.14
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	13	0.14
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	18	0.14
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	18	0.14
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	18	0.14
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	35	0.14
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	35	0.14
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	35	0.14
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	27	0.14
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	27	0.14
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	27	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD11	27	0.14
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD12	27	0.14
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD13	27	0.14
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD11	27	0.14
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD12	27	0.14
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD13	27	0.14
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD11	27	0.14
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD12	27	0.14
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD13	27	0.14
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	4	0.14
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	4	0.14
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	4	0.14
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	15	0.14
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	15	0.14
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	15	0.14
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	16	0.14
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	16	0.14
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	16	0.14
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	29	0.14
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	29	0.14
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	29	0.14
(3,1504)	1:66:A:MET:HE1	1:66:A:MET:HB2	39	0.14
(3,1504)	1:66:A:MET:HE2	1:66:A:MET:HB2	39	0.14
(3,1504)	1:66:A:MET:HE3	1:66:A:MET:HB2	39	0.14
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	9	0.14
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	9	0.14
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	9	0.14
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	7	0.14
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	7	0.14
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	7	0.14
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	31	0.14
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	31	0.14
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	31	0.14
(3,1488)	1:81:A:VAL:HB	1:42:A:TRP:HE1	5	0.14
(3,1488)	1:81:A:VAL:HB	1:42:A:TRP:HE1	14	0.14
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	1	0.14
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	1	0.14
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	1	0.14
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	2	0.14
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	2	0.14
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	2	0.14
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	4	0.14
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	4	0.14
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	9	0.14
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	9	0.14
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	9	0.14
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	10	0.14
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	10	0.14
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	10	0.14
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	15	0.14
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	15	0.14
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	15	0.14
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	18	0.14
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	18	0.14
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	18	0.14
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	22	0.14
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	22	0.14
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	22	0.14
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	26	0.14
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	26	0.14
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	26	0.14
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	27	0.14
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	27	0.14
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	27	0.14
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	31	0.14
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	31	0.14
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	31	0.14
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	32	0.14
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	32	0.14
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	32	0.14
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	35	0.14
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	35	0.14
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	35	0.14
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	39	0.14
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	39	0.14
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	39	0.14
(3,1467)	1:71:A:VAL:HG21	1:72:A:THR:H	18	0.14
(3,1467)	1:71:A:VAL:HG22	1:72:A:THR:H	18	0.14
(3,1467)	1:71:A:VAL:HG23	1:72:A:THR:H	18	0.14
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	1	0.14
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	1	0.14
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	1	0.14
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	4	0.14
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	4	0.14
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	10	0.14
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	10	0.14
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	10	0.14
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	16	0.14
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	16	0.14
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	16	0.14
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	27	0.14
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	27	0.14
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	27	0.14
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	29	0.14
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	29	0.14
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	29	0.14
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	34	0.14
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	34	0.14
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	34	0.14
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	39	0.14
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	39	0.14
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	39	0.14
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	9	0.14
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	9	0.14
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	9	0.14
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	36	0.14
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	36	0.14
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	36	0.14
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	38	0.14
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	38	0.14
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	38	0.14
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	39	0.14
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	39	0.14
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	39	0.14
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	2	0.14
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	2	0.14
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	2	0.14
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	3	0.14
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	3	0.14
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	3	0.14
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	4	0.14
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	4	0.14
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	4	0.14
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	5	0.14
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	5	0.14
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	6	0.14
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	6	0.14
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	6	0.14
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	14	0.14
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	14	0.14
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	14	0.14
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	16	0.14
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	16	0.14
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	16	0.14
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	22	0.14
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	22	0.14
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	22	0.14
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	25	0.14
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	25	0.14
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	25	0.14
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	27	0.14
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	27	0.14
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	27	0.14
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	31	0.14
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	31	0.14
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	31	0.14
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	32	0.14
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	32	0.14
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	32	0.14
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	39	0.14
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	39	0.14
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	39	0.14
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	40	0.14
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	40	0.14
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	40	0.14
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	3	0.14
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	3	0.14
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	3	0.14
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	5	0.14
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	5	0.14
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	5	0.14
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	10	0.14
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	10	0.14
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	10	0.14
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	35	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	35	0.14
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	35	0.14
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	24	0.14
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	24	0.14
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	24	0.14
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	24	0.14
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	24	0.14
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	24	0.14
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	24	0.14
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	24	0.14
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	24	0.14
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	40	0.14
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	40	0.14
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	40	0.14
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	40	0.14
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	40	0.14
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	40	0.14
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	40	0.14
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	40	0.14
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	40	0.14
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	24	0.14
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	24	0.14
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	24	0.14
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	24	0.14
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	24	0.14
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	24	0.14
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	24	0.14
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	24	0.14
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	24	0.14
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	40	0.14
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	40	0.14
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	40	0.14
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	40	0.14
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	40	0.14
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	40	0.14
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	40	0.14
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	40	0.14
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	40	0.14
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	6	0.14
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	16	0.14
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	33	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	10	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	11	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	14	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	15	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	19	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	20	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	23	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	25	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	26	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	29	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	30	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	31	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	32	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	33	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	35	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	36	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	37	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	39	0.14
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	40	0.14
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	9	0.14
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	15	0.14
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	29	0.14
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	35	0.14
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	36	0.14
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	12	0.14
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	12	0.14
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	12	0.14
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	19	0.14
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	19	0.14
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	19	0.14
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	21	0.14
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	21	0.14
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	21	0.14
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	31	0.14
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	31	0.14
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	31	0.14
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	17	0.14
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	17	0.14
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	17	0.14
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	17	0.14
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	17	0.14
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	17	0.14
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	17	0.14
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	17	0.14
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	20	0.14
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	20	0.14
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	20	0.14
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	20	0.14
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	20	0.14
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	20	0.14
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	20	0.14
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	20	0.14
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	20	0.14
(3,1293)	1:40:A:VAL:HG21	1:42:A:TRP:HE1	35	0.14
(3,1293)	1:40:A:VAL:HG22	1:42:A:TRP:HE1	35	0.14
(3,1293)	1:40:A:VAL:HG23	1:42:A:TRP:HE1	35	0.14
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	12	0.14
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	12	0.14
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	12	0.14
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	19	0.14
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	19	0.14
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	19	0.14
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	21	0.14
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	21	0.14
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	21	0.14
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	31	0.14
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	31	0.14
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	31	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	1	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	1	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	1	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	1	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	1	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	1	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	1	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	1	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	1	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	4	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	4	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	4	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	4	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	4	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	4	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	4	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	4	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	17	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	17	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	17	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	17	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	17	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	17	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	17	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	17	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	17	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	18	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	18	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	18	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	18	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	18	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	18	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	18	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	18	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	18	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	22	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	22	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	22	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	22	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	22	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	22	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	22	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	22	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	22	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	30	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	30	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	30	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	30	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	30	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	30	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	30	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	30	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	30	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	34	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	34	0.14
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	34	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	34	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	34	0.14
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	34	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	34	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	34	0.14
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	34	0.14
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	10	0.14
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	10	0.14
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	10	0.14
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	11	0.14
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	11	0.14
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	11	0.14
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	13	0.14
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	13	0.14
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	13	0.14
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	33	0.14
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	33	0.14
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	33	0.14
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	34	0.14
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	34	0.14
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	34	0.14
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	35	0.14
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	35	0.14
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	35	0.14
(3,1267)	1:94:A:THR:HG21	1:94:A:THR:HA	28	0.14
(3,1267)	1:94:A:THR:HG22	1:94:A:THR:HA	28	0.14
(3,1267)	1:94:A:THR:HG23	1:94:A:THR:HA	28	0.14
(3,1265)	1:67:A:THR:HG21	1:56:A:ASN:H	23	0.14
(3,1265)	1:67:A:THR:HG22	1:56:A:ASN:H	23	0.14
(3,1265)	1:67:A:THR:HG23	1:56:A:ASN:H	23	0.14
(3,1261)	1:67:A:THR:HG21	1:26:A:SER:HB2	4	0.14
(3,1261)	1:67:A:THR:HG22	1:26:A:SER:HB2	4	0.14
(3,1261)	1:67:A:THR:HG23	1:26:A:SER:HB2	4	0.14
(3,1261)	1:67:A:THR:HG21	1:26:A:SER:HB2	30	0.14
(3,1261)	1:67:A:THR:HG22	1:26:A:SER:HB2	30	0.14
(3,1261)	1:67:A:THR:HG23	1:26:A:SER:HB2	30	0.14
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	22	0.14
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	22	0.14
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	22	0.14
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	30	0.14
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	30	0.14
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	30	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	31	0.14
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	31	0.14
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	31	0.14
(3,1252)	1:28:A:THR:HG21	1:67:A:THR:HG21	9	0.14
(3,1252)	1:28:A:THR:HG21	1:67:A:THR:HG22	9	0.14
(3,1252)	1:28:A:THR:HG21	1:67:A:THR:HG23	9	0.14
(3,1252)	1:28:A:THR:HG22	1:67:A:THR:HG21	9	0.14
(3,1252)	1:28:A:THR:HG22	1:67:A:THR:HG22	9	0.14
(3,1252)	1:28:A:THR:HG22	1:67:A:THR:HG23	9	0.14
(3,1252)	1:28:A:THR:HG23	1:67:A:THR:HG21	9	0.14
(3,1252)	1:28:A:THR:HG23	1:67:A:THR:HG22	9	0.14
(3,1252)	1:28:A:THR:HG23	1:67:A:THR:HG23	9	0.14
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	1	0.14
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	1	0.14
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	1	0.14
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	7	0.14
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	7	0.14
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	7	0.14
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	17	0.14
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	17	0.14
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	17	0.14
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	19	0.14
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	19	0.14
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	19	0.14
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	24	0.14
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	24	0.14
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	24	0.14
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	25	0.14
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	25	0.14
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	25	0.14
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	34	0.14
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	34	0.14
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	34	0.14
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	35	0.14
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	35	0.14
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	35	0.14
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	39	0.14
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	39	0.14
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	39	0.14
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	40	0.14
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	40	0.14
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	40	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	21	0.14
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	21	0.14
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	21	0.14
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	32	0.14
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	32	0.14
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	32	0.14
(3,1240)	1:13:A:THR:HG21	1:34:A:SER:HB3	15	0.14
(3,1240)	1:13:A:THR:HG22	1:34:A:SER:HB3	15	0.14
(3,1240)	1:13:A:THR:HG23	1:34:A:SER:HB3	15	0.14
(3,1240)	1:13:A:THR:HG21	1:34:A:SER:HB3	25	0.14
(3,1240)	1:13:A:THR:HG22	1:34:A:SER:HB3	25	0.14
(3,1240)	1:13:A:THR:HG23	1:34:A:SER:HB3	25	0.14
(3,1230)	1:101:A:LEU:H	1:22:A:SER:HA	6	0.14
(3,1230)	1:101:A:LEU:H	1:22:A:SER:HA	7	0.14
(3,1230)	1:101:A:LEU:H	1:22:A:SER:HA	19	0.14
(3,1230)	1:101:A:LEU:H	1:22:A:SER:HA	26	0.14
(3,1230)	1:101:A:LEU:H	1:22:A:SER:HA	39	0.14
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	20	0.14
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	20	0.14
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	20	0.14
(3,1217)	1:66:A:MET:H	1:28:A:THR:HA	4	0.14
(3,1217)	1:66:A:MET:H	1:28:A:THR:HA	7	0.14
(3,1217)	1:66:A:MET:H	1:28:A:THR:HA	31	0.14
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	24	0.14
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	24	0.14
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	24	0.14
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG21	33	0.14
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG22	33	0.14
(3,1194)	1:22:A:SER:H	1:21:A:VAL:HG23	33	0.14
(3,1189)	1:21:A:VAL:H	1:100:A:GLU:HB3	14	0.14
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG11	15	0.14
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG12	15	0.14
(3,1181)	1:100:A:GLU:H	1:21:A:VAL:HG13	15	0.14
(3,1178)	1:91:A:ALA:H	1:84:A:ARG:HA	11	0.14
(3,1178)	1:91:A:ALA:H	1:84:A:ARG:HA	15	0.14
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	23	0.14
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	23	0.14
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	30	0.14
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	30	0.14
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE1	36	0.14
(3,1166)	1:97:A:LEU:H	1:29:A:PHE:HE2	36	0.14
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	30	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	32	0.14
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	35	0.14
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	37	0.14
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	38	0.14
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	6	0.14
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	7	0.14
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	9	0.14
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	15	0.14
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	25	0.14
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	27	0.14
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	28	0.14
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	30	0.14
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	32	0.14
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	34	0.14
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	35	0.14
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	36	0.14
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	37	0.14
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	38	0.14
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	10	0.14
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	16	0.14
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	18	0.14
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	26	0.14
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	28	0.14
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	31	0.14
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	34	0.14
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	35	0.14
(3,1042)	1:26:A:SER:H	1:26:A:SER:HB3	14	0.14
(3,1042)	1:26:A:SER:H	1:26:A:SER:HB3	26	0.14
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	9	0.14
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	17	0.14
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	18	0.14
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	35	0.14
(3,1003)	1:5:A:PHE:H	1:4:A:PRO:HA	29	0.14
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	5	0.14
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	21	0.14
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	23	0.14
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	27	0.14
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	31	0.14
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	39	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	4	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	10	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	14	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	15	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	19	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	20	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	23	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	25	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	26	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	29	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	30	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	31	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	32	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	33	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	35	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	36	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	37	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	39	0.14
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	40	0.14
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG21	6	0.14
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG22	6	0.14
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG23	6	0.14
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	1	0.14
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	13	0.14
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	23	0.14
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	26	0.14
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	8	0.14
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	16	0.14
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	21	0.14
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	22	0.14
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	27	0.14
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	5	0.14
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	5	0.14
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	5	0.14
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	14	0.14
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	14	0.14
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	14	0.14
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	17	0.14
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	17	0.14
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	17	0.14
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	18	0.14
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	18	0.14
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	18	0.14
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	30	0.14
(3,919)	1:37:A:ASP:H	1:36:A:ASP:HB3	36	0.14
(3,916)	1:37:A:ASP:H	1:37:A:ASP:HA	1	0.14
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	4	0.14
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	4	0.14
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	11	0.14
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	32	0.14
(3,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	21	0.14
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	14	0.14
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	14	0.14
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	14	0.14
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	15	0.14
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	15	0.14
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	15	0.14
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	17	0.14
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	17	0.14
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	17	0.14
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	31	0.14
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	31	0.14
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	31	0.14
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	40	0.14
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	40	0.14
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	40	0.14
(3,827)	1:17:A:GLN:H	1:17:A:GLN:HB2	8	0.14
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	11	0.14
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	14	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	1	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	1	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	1	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	2	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	2	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	2	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	4	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	4	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	4	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	9	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	9	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	9	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	10	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	10	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	10	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	15	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	15	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	18	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	18	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	18	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	22	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	22	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	22	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	26	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	26	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	26	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	27	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	27	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	27	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	31	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	31	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	31	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	32	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	32	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	32	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	35	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	35	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	35	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	39	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	39	0.14
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	39	0.14
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	26	0.14
(3,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	19	0.14
(3,683)	1:23:A:GLU:H	1:22:A:SER:HB3	6	0.14
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	2	0.14
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	6	0.14
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	25	0.14
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	27	0.14
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	33	0.14
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	37	0.14
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	7	0.14
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	15	0.14
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	33	0.14
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	40	0.14
(3,591)	1:3:A:ASP:H	1:3:A:ASP:HA	9	0.14
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	6	0.14
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	29	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	5	0.14
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	5	0.14
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	5	0.14
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	8	0.14
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	8	0.14
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	8	0.14
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	24	0.14
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	24	0.14
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	24	0.14
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	31	0.14
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	31	0.14
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	31	0.14
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	40	0.14
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	40	0.14
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	40	0.14
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	2	0.14
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	5	0.14
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	5	0.14
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	13	0.14
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	13	0.14
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	23	0.14
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	23	0.14
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	25	0.14
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	25	0.14
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	10	0.14
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	7	0.14
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	11	0.14
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	19	0.14
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	34	0.14
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	10	0.14
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	12	0.14
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	16	0.14
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	24	0.14
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	25	0.14
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	26	0.14
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	27	0.14
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	30	0.14
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	32	0.14
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	40	0.14
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	16	0.14
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	24	0.14
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	26	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	32	0.14
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	40	0.14
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	10	0.14
(3,419)	1:69:A:HIS:H	1:54:A:LYS:HA	12	0.14
(3,410)	1:96:A:GLU:H	1:18:A:ASN:HD21	21	0.14
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD21	34	0.14
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD22	34	0.14
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD23	34	0.14
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	3	0.14
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	4	0.14
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	6	0.14
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	7	0.14
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	12	0.14
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	16	0.14
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	19	0.14
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	37	0.14
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	1	0.14
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	3	0.14
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	7	0.14
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	9	0.14
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	26	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	1	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	1	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	1	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	7	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	7	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	7	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	17	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	17	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	17	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	18	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	18	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	18	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	19	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	19	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	19	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	21	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	21	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	21	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	24	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	24	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	24	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	33	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	33	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	33	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	34	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	34	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	34	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	35	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	35	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	35	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	40	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	40	0.14
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	40	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	1	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	1	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	1	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	4	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	4	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	4	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	10	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	10	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	10	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	16	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	16	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	16	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	27	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	27	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	27	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	29	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	29	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	29	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	34	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	34	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	34	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	39	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	39	0.14
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	39	0.14
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	1	0.14
(3,368)	1:18:A:ASN:H	1:17:A:GLN:HB3	26	0.14
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	9	0.14
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	9	0.14
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	5	0.14
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	7	0.14
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	14	0.14
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	16	0.14
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	27	0.14
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	28	0.14
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	35	0.14
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	16	0.14
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	1	0.14
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	1	0.14
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	18	0.14
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	18	0.14
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	34	0.14
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	34	0.14
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	6	0.14
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	9	0.14
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	28	0.14
(3,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	38	0.14
(3,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	39	0.14
(3,138)	1:39:A:ILE:H	1:10:A:ILE:HD11	11	0.14
(3,138)	1:39:A:ILE:H	1:10:A:ILE:HD12	11	0.14
(3,138)	1:39:A:ILE:H	1:10:A:ILE:HD13	11	0.14
(3,138)	1:39:A:ILE:H	1:10:A:ILE:HD11	36	0.14
(3,138)	1:39:A:ILE:H	1:10:A:ILE:HD12	36	0.14
(3,138)	1:39:A:ILE:H	1:10:A:ILE:HD13	36	0.14
(3,59)	1:42:A:TRP:H	1:41:A:THR:HB	7	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	2	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	3	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	5	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	8	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	10	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	11	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	12	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	14	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	16	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	20	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	21	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	24	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	25	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	26	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	27	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	29	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	31	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	32	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	33	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	37	0.14
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	40	0.14
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	21	0.14
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	31	0.14
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	40	0.14
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	4	0.14
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	4	0.14
(1,3212)	1:65:A:TYR:HE1	1:58:A:ARG:HB3	10	0.14
(1,3212)	1:65:A:TYR:HE2	1:58:A:ARG:HB3	10	0.14
(1,3211)	1:69:A:HIS:HE1	1:67:A:THR:HB	30	0.14
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	21	0.14
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	21	0.14
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	21	0.14
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	21	0.14
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	21	0.14
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	21	0.14
(1,3197)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	12	0.14
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	5	0.14
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	5	0.14
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	5	0.14
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	5	0.14
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	8	0.14
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	8	0.14
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	8	0.14
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	8	0.14
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	33	0.14
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	33	0.14
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	33	0.14
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	33	0.14
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	15	0.14
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	36	0.14
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	16	0.14
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	16	0.14
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	16	0.14
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	28	0.14
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	28	0.14
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	28	0.14
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	33	0.14
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	33	0.14
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	33	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	39	0.14
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	39	0.14
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	39	0.14
(1,3169)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	15	0.14
(1,3169)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	17	0.14
(1,3169)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	28	0.14
(1,3169)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	29	0.14
(1,3158)	1:42:A:TRP:HD1	1:41:A:THR:HA	6	0.14
(1,3158)	1:42:A:TRP:HD1	1:41:A:THR:HA	11	0.14
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	7	0.14
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	7	0.14
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	15	0.14
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	15	0.14
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	16	0.14
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	16	0.14
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	20	0.14
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	20	0.14
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	35	0.14
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	35	0.14
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	36	0.14
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	36	0.14
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	39	0.14
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	39	0.14
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	7	0.14
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	7	0.14
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	10	0.14
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	10	0.14
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	21	0.14
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	21	0.14
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	24	0.14
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	24	0.14
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	33	0.14
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	33	0.14
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	37	0.14
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	37	0.14
(1,3133)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	13	0.14
(1,3133)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	13	0.14
(1,3132)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	23	0.14
(1,3132)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	23	0.14
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	15	0.14
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	15	0.14
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	32	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	32	0.14
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	39	0.14
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	39	0.14
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	1	0.14
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	1	0.14
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	7	0.14
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	7	0.14
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	22	0.14
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	22	0.14
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	27	0.14
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	27	0.14
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	1	0.14
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	1	0.14
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	7	0.14
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	7	0.14
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	22	0.14
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	22	0.14
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	27	0.14
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	27	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	3	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	3	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	3	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	3	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	3	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	3	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	11	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	11	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	11	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	11	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	11	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	11	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	14	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	14	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	14	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	14	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	14	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	14	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	15	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	15	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	15	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	15	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	15	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	21	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	21	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	21	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	21	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	21	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	21	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	22	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	22	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	22	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	22	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	22	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	22	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	23	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	23	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	23	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	23	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	23	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	23	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	25	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	25	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	25	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	25	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	25	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	25	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	27	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	27	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	27	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	27	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	27	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	27	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	30	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	30	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	30	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	30	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	30	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	30	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	38	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	38	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	38	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	38	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	38	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	38	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	39	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	39	0.14
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	39	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	39	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	39	0.14
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	39	0.14
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	23	0.14
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	23	0.14
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	23	0.14
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	23	0.14
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	23	0.14
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	23	0.14
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	34	0.14
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	34	0.14
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	34	0.14
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	34	0.14
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	34	0.14
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	34	0.14
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	19	0.14
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	19	0.14
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	19	0.14
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	19	0.14
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	25	0.14
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	25	0.14
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	25	0.14
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	25	0.14
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	31	0.14
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	31	0.14
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	31	0.14
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	31	0.14
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	4	0.14
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	4	0.14
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	4	0.14
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	4	0.14
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	4	0.14
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	4	0.14
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	8	0.14
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	8	0.14
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	8	0.14
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	8	0.14
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	8	0.14
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	31	0.14
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	31	0.14
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	31	0.14
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	31	0.14
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	31	0.14
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	31	0.14
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	33	0.14
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	33	0.14
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	33	0.14
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	33	0.14
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	33	0.14
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	33	0.14
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	40	0.14
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	40	0.14
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	40	0.14
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	40	0.14
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	40	0.14
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	40	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	1	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	1	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	1	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	2	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	2	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	2	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	7	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	7	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	7	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	15	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	15	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	15	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	32	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	32	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	32	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	34	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	34	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	34	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	37	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	37	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	37	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	40	0.14
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	40	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	40	0.14
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	11	0.14
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	11	0.14
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	12	0.14
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	12	0.14
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	21	0.14
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	21	0.14
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	23	0.14
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	23	0.14
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	25	0.14
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	25	0.14
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	34	0.14
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	34	0.14
(1,3047)	1:57:A:PHE:HB3	1:42:A:TRP:HE1	9	0.14
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG21	15	0.14
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG22	15	0.14
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG23	15	0.14
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	4	0.14
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	4	0.14
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	9	0.14
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	9	0.14
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	39	0.14
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	39	0.14
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	1	0.14
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	1	0.14
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	19	0.14
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	19	0.14
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	28	0.14
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	28	0.14
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	5	0.14
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	5	0.14
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	5	0.14
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	7	0.14
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	7	0.14
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	7	0.14
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	26	0.14
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	26	0.14
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	26	0.14
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	32	0.14
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	32	0.14
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	32	0.14
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	24	0.14
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	28	0.14
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	33	0.14
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	5	0.14
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	39	0.14
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	40	0.14
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	28	0.14
(1,2962)	1:44:A:LYS:HE2	1:44:A:LYS:HG3	2	0.14
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	15	0.14
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	6	0.14
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	15	0.14
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	26	0.14
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	29	0.14
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	30	0.14
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	36	0.14
(1,2942)	1:90:A:GLU:HA	1:84:A:ARG:HA	1	0.14
(1,2942)	1:90:A:GLU:HA	1:84:A:ARG:HA	5	0.14
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	7	0.14
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	7	0.14
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	15	0.14
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	15	0.14
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	16	0.14
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	16	0.14
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	20	0.14
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	20	0.14
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	35	0.14
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	35	0.14
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	36	0.14
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	36	0.14
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	39	0.14
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	39	0.14
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	11	0.14
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	30	0.14
(1,2929)	1:17:A:GLN:HG2	1:17:A:GLN:H	37	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	1	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	6	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	8	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	9	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	19	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	23	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	24	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	25	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	26	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	30	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	31	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	32	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	33	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	34	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	35	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	37	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	39	0.14
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	40	0.14
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	14	0.14
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	17	0.14
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	18	0.14
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	34	0.14
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	35	0.14
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	39	0.14
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	40	0.14
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	7	0.14
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	2	0.14
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	4	0.14
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	6	0.14
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	11	0.14
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	29	0.14
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	31	0.14
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	33	0.14
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	34	0.14
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	4	0.14
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	19	0.14
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	3	0.14
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	4	0.14
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	6	0.14
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	7	0.14
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	12	0.14
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	16	0.14
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	19	0.14
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	37	0.14
(1,2715)	1:48:A:GLU:HA	1:49:A:LEU:HG	16	0.14
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	6	0.14
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	6	0.14
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	10	0.14
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	20	0.14
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	26	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	30	0.14
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	33	0.14
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	34	0.14
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	36	0.14
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	37	0.14
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	2	0.14
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	8	0.14
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	15	0.14
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	18	0.14
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	20	0.14
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	23	0.14
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	24	0.14
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	27	0.14
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	31	0.14
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	32	0.14
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	37	0.14
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	40	0.14
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	1	0.14
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	28	0.14
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	30	0.14
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	31	0.14
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	34	0.14
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	38	0.14
(1,2597)	1:36:A:ASP:HB3	1:37:A:ASP:H	36	0.14
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	19	0.14
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	4	0.14
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	6	0.14
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	7	0.14
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	15	0.14
(1,2537)	1:73:A:PRO:HG3	1:73:A:PRO:HA	24	0.14
(1,2537)	1:73:A:PRO:HG3	1:73:A:PRO:HA	36	0.14
(1,2537)	1:73:A:PRO:HG3	1:73:A:PRO:HA	40	0.14
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	14	0.14
(1,2511)	1:46:A:PRO:HB3	1:46:A:PRO:HD2	16	0.14
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	8	0.14
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	17	0.14
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	3	0.14
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	5	0.14
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	6	0.14
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	7	0.14
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	12	0.14
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	28	0.14
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	16	0.14
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	27	0.14
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	38	0.14
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	19	0.14
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	21	0.14
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	24	0.14
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	25	0.14
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	35	0.14
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	1	0.14
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	7	0.14
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	10	0.14
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	26	0.14
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	27	0.14
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	34	0.14
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	5	0.14
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	5	0.14
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	5	0.14
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	15	0.14
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	15	0.14
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	15	0.14
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	31	0.14
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	31	0.14
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	31	0.14
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	35	0.14
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	35	0.14
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	35	0.14
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	37	0.14
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	37	0.14
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	37	0.14
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	38	0.14
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	38	0.14
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	38	0.14
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	1	0.14
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	1	0.14
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	1	0.14
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	16	0.14
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	16	0.14
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	16	0.14
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	19	0.14
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	19	0.14
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	1	0.14
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	10	0.14
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	11	0.14
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	15	0.14
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	20	0.14
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	21	0.14
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	23	0.14
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	24	0.14
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	26	0.14
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	27	0.14
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	30	0.14
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	32	0.14
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	36	0.14
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	39	0.14
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	40	0.14
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	11	0.14
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	11	0.14
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	11	0.14
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	34	0.14
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	34	0.14
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	34	0.14
(1,2237)	1:18:A:ASN:HB2	1:18:A:ASN:H	7	0.14
(1,2237)	1:18:A:ASN:HB2	1:18:A:ASN:H	22	0.14
(1,2237)	1:18:A:ASN:HB2	1:18:A:ASN:H	23	0.14
(1,2237)	1:18:A:ASN:HB2	1:18:A:ASN:H	31	0.14
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	27	0.14
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	27	0.14
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	27	0.14
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	13	0.14
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	19	0.14
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	34	0.14
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	39	0.14
(1,2136)	1:67:A:THR:HB	1:56:A:ASN:HB2	4	0.14
(1,2099)	1:40:A:VAL:HG21	1:83:A:ALA:HA	11	0.14
(1,2099)	1:40:A:VAL:HG22	1:83:A:ALA:HA	11	0.14
(1,2099)	1:40:A:VAL:HG23	1:83:A:ALA:HA	11	0.14
(1,2099)	1:40:A:VAL:HG21	1:83:A:ALA:HA	22	0.14
(1,2099)	1:40:A:VAL:HG22	1:83:A:ALA:HA	22	0.14
(1,2099)	1:40:A:VAL:HG23	1:83:A:ALA:HA	22	0.14
(1,2099)	1:40:A:VAL:HG21	1:83:A:ALA:HA	31	0.14
(1,2099)	1:40:A:VAL:HG22	1:83:A:ALA:HA	31	0.14
(1,2099)	1:40:A:VAL:HG23	1:83:A:ALA:HA	31	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	2	0.14
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	2	0.14
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	2	0.14
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	16	0.14
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	16	0.14
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	16	0.14
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	28	0.14
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	28	0.14
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	28	0.14
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	35	0.14
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	35	0.14
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	35	0.14
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	39	0.14
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	39	0.14
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	39	0.14
(1,2093)	1:88:A:ARG:HD3	1:7:A:ALA:HA	20	0.14
(1,2087)	1:85:A:LEU:HD11	1:39:A:ILE:H	8	0.14
(1,2087)	1:85:A:LEU:HD12	1:39:A:ILE:H	8	0.14
(1,2087)	1:85:A:LEU:HD13	1:39:A:ILE:H	8	0.14
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	6	0.14
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	6	0.14
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	6	0.14
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	6	0.14
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	6	0.14
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	6	0.14
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	11	0.14
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	11	0.14
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	11	0.14
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	11	0.14
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	11	0.14
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	11	0.14
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	27	0.14
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	27	0.14
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	27	0.14
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	27	0.14
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	27	0.14
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	27	0.14
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	34	0.14
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	34	0.14
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	34	0.14
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	34	0.14
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	34	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	34	0.14
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	38	0.14
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	38	0.14
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	38	0.14
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	38	0.14
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	38	0.14
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	38	0.14
(1,2068)	1:94:A:THR:HG21	1:93:A:SER:HA	29	0.14
(1,2068)	1:94:A:THR:HG22	1:93:A:SER:HA	29	0.14
(1,2068)	1:94:A:THR:HG23	1:93:A:SER:HA	29	0.14
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	20	0.14
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	20	0.14
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	20	0.14
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	5	0.14
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	5	0.14
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	5	0.14
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	5	0.14
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	5	0.14
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	5	0.14
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	5	0.14
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	5	0.14
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	5	0.14
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	17	0.14
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	17	0.14
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	17	0.14
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	17	0.14
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	17	0.14
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	17	0.14
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	17	0.14
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	17	0.14
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	17	0.14
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	16	0.14
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	16	0.14
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	16	0.14
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	16	0.14
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	16	0.14
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	16	0.14
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	19	0.14
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	19	0.14
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	19	0.14
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	19	0.14
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	19	0.14
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	25	0.14
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	25	0.14
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	25	0.14
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	37	0.14
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	37	0.14
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	37	0.14
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	2	0.14
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	2	0.14
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	2	0.14
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	8	0.14
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	8	0.14
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	8	0.14
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	17	0.14
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	17	0.14
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	17	0.14
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	22	0.14
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	22	0.14
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	22	0.14
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	28	0.14
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	28	0.14
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	28	0.14
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	40	0.14
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	40	0.14
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	40	0.14
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	1	0.14
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	1	0.14
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	1	0.14
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	1	0.14
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	1	0.14
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	1	0.14
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	11	0.14
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	11	0.14
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	11	0.14
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	11	0.14
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	11	0.14
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	11	0.14
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	14	0.14
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	14	0.14
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	14	0.14
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	14	0.14
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	14	0.14
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	17	0.14
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	17	0.14
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	17	0.14
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	17	0.14
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	17	0.14
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	17	0.14
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	17	0.14
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	17	0.14
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	17	0.14
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	20	0.14
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	20	0.14
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	20	0.14
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	20	0.14
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	20	0.14
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	20	0.14
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	20	0.14
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	20	0.14
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	20	0.14
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	5	0.14
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	6	0.14
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	7	0.14
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	14	0.14
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	16	0.14
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	27	0.14
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	28	0.14
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	35	0.14
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	18	0.14
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	18	0.14
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	18	0.14
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	20	0.14
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	20	0.14
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	20	0.14
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	32	0.14
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	32	0.14
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	32	0.14
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	9	0.14
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	9	0.14
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	9	0.14
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	28	0.14
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	28	0.14
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	28	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	14	0.14
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	23	0.14
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	25	0.14
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	28	0.14
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	30	0.14
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	37	0.14
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	39	0.14
(1,1956)	1:72:A:THR:HG21	1:74:A:ASP:HB3	11	0.14
(1,1956)	1:72:A:THR:HG22	1:74:A:ASP:HB3	11	0.14
(1,1956)	1:72:A:THR:HG23	1:74:A:ASP:HB3	11	0.14
(1,1956)	1:72:A:THR:HG21	1:74:A:ASP:HB3	36	0.14
(1,1956)	1:72:A:THR:HG22	1:74:A:ASP:HB3	36	0.14
(1,1956)	1:72:A:THR:HG23	1:74:A:ASP:HB3	36	0.14
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	4	0.14
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	4	0.14
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	4	0.14
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	14	0.14
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	14	0.14
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	14	0.14
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	22	0.14
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	22	0.14
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	22	0.14
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	32	0.14
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	32	0.14
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	32	0.14
(1,1903)	1:66:A:MET:HE1	1:79:A:TYR:HA	7	0.14
(1,1903)	1:66:A:MET:HE2	1:79:A:TYR:HA	7	0.14
(1,1903)	1:66:A:MET:HE3	1:79:A:TYR:HA	7	0.14
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	5	0.14
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	5	0.14
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	5	0.14
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	9	0.14
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	9	0.14
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	9	0.14
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	13	0.14
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	13	0.14
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	13	0.14
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	14	0.14
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	14	0.14
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	14	0.14
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	16	0.14
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	16	0.14
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	23	0.14
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	23	0.14
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	23	0.14
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	32	0.14
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	32	0.14
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	32	0.14
(1,1896)	1:47:A:THR:HG21	1:44:A:LYS:HB3	10	0.14
(1,1896)	1:47:A:THR:HG22	1:44:A:LYS:HB3	10	0.14
(1,1896)	1:47:A:THR:HG23	1:44:A:LYS:HB3	10	0.14
(1,1896)	1:47:A:THR:HG21	1:44:A:LYS:HB3	37	0.14
(1,1896)	1:47:A:THR:HG22	1:44:A:LYS:HB3	37	0.14
(1,1896)	1:47:A:THR:HG23	1:44:A:LYS:HB3	37	0.14
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	6	0.14
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	6	0.14
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	6	0.14
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	17	0.14
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	17	0.14
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	17	0.14
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	20	0.14
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	20	0.14
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	20	0.14
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	25	0.14
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	25	0.14
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	25	0.14
(1,1894)	1:41:A:THR:HG21	1:41:A:THR:H	28	0.14
(1,1894)	1:41:A:THR:HG22	1:41:A:THR:H	28	0.14
(1,1894)	1:41:A:THR:HG23	1:41:A:THR:H	28	0.14
(1,1861)	1:7:A:ALA:HB1	1:88:A:ARG:HA	16	0.14
(1,1861)	1:7:A:ALA:HB2	1:88:A:ARG:HA	16	0.14
(1,1861)	1:7:A:ALA:HB3	1:88:A:ARG:HA	16	0.14
(1,1861)	1:7:A:ALA:HB1	1:88:A:ARG:HA	37	0.14
(1,1861)	1:7:A:ALA:HB2	1:88:A:ARG:HA	37	0.14
(1,1861)	1:7:A:ALA:HB3	1:88:A:ARG:HA	37	0.14
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	17	0.14
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	17	0.14
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	17	0.14
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	20	0.14
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	20	0.14
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	20	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	3	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	5	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	7	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	10	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	13	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	14	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	15	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	17	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	19	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	20	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	21	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	22	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	23	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	24	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	25	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	29	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	30	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	31	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	32	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	34	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	35	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	36	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	38	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	39	0.14
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	40	0.14
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	15	0.14
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	18	0.14
(1,1810)	1:98:A:LYS:HD3	1:98:A:LYS:HG3	27	0.14
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	15	0.14
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	2	0.14
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	2	0.14
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	2	0.14
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	2	0.14
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	2	0.14
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	2	0.14
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	2	0.14
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	2	0.14
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	2	0.14
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	20	0.14
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	20	0.14
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	20	0.14
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	20	0.14
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	20	0.14
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	20	0.14
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	20	0.14
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	20	0.14
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	25	0.14
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	25	0.14
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	25	0.14
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	25	0.14
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	25	0.14
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	25	0.14
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	25	0.14
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	25	0.14
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	25	0.14
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	4	0.14
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	4	0.14
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	4	0.14
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	26	0.14
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	26	0.14
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	26	0.14
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	3	0.14
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	3	0.14
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	3	0.14
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	3	0.14
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	3	0.14
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	3	0.14
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	3	0.14
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	3	0.14
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	3	0.14
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	8	0.14
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	8	0.14
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	8	0.14
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	8	0.14
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	8	0.14
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	8	0.14
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	8	0.14
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	8	0.14
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	8	0.14
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	14	0.14
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	14	0.14
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	14	0.14
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	14	0.14
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	14	0.14
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	14	0.14
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	14	0.14
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	14	0.14
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	26	0.14
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	26	0.14
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	26	0.14
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	26	0.14
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	26	0.14
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	26	0.14
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	26	0.14
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	26	0.14
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	26	0.14
(1,1679)	1:85:A:LEU:HD11	1:35:A:PHE:HD1	5	0.14
(1,1679)	1:85:A:LEU:HD11	1:35:A:PHE:HD2	5	0.14
(1,1679)	1:85:A:LEU:HD12	1:35:A:PHE:HD1	5	0.14
(1,1679)	1:85:A:LEU:HD12	1:35:A:PHE:HD2	5	0.14
(1,1679)	1:85:A:LEU:HD13	1:35:A:PHE:HD1	5	0.14
(1,1679)	1:85:A:LEU:HD13	1:35:A:PHE:HD2	5	0.14
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	32	0.14
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	32	0.14
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	32	0.14
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	32	0.14
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	32	0.14
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	32	0.14
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	32	0.14
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	32	0.14
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	32	0.14
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	1	0.14
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	1	0.14
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	1	0.14
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	5	0.14
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	5	0.14
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	5	0.14
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	8	0.14
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	8	0.14
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	8	0.14
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	11	0.14
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	11	0.14
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	11	0.14
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	13	0.14
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	13	0.14
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	21	0.14
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	21	0.14
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	21	0.14
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	22	0.14
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	22	0.14
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	22	0.14
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	24	0.14
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	24	0.14
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	24	0.14
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	27	0.14
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	27	0.14
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	27	0.14
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	30	0.14
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	30	0.14
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	30	0.14
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	31	0.14
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	31	0.14
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	31	0.14
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	32	0.14
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	32	0.14
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	32	0.14
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	34	0.14
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	34	0.14
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	34	0.14
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	38	0.14
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	38	0.14
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	38	0.14
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	1	0.14
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	1	0.14
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	1	0.14
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	14	0.14
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	14	0.14
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	14	0.14
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	22	0.14
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	22	0.14
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	22	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	3	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	3	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	3	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	3	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	3	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	11	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	11	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	11	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	11	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	11	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	11	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	14	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	14	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	14	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	14	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	14	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	14	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	15	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	15	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	15	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	15	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	15	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	15	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	21	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	21	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	21	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	21	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	21	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	21	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	22	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	22	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	22	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	22	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	22	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	22	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	23	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	23	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	23	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	23	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	23	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	23	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	25	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	25	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	25	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	25	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	25	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	25	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	27	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	27	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	27	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	27	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	27	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	27	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	30	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	30	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	30	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	30	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	30	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	30	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	38	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	38	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	38	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	38	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	38	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	38	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	39	0.14
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	39	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	39	0.14
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	39	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	39	0.14
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	39	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	2	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	2	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	2	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	2	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	2	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	2	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	22	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	22	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	22	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	22	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	22	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	22	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	24	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	24	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	24	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	24	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	24	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	24	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	25	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	25	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	25	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	25	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	25	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	25	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	34	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	34	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	34	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	34	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	34	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	34	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	35	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	35	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	35	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	35	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	35	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	35	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	36	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	36	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	36	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	36	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	36	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	36	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	38	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	38	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	38	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	38	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	38	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	38	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	39	0.14
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	39	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	39	0.14
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	39	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	39	0.14
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	39	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	9	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	9	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	9	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	10	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	10	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	16	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	16	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	16	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	17	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	17	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	17	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	19	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	19	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	19	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	28	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	28	0.14
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	28	0.14
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	3	0.14
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	3	0.14
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	3	0.14
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	7	0.14
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	7	0.14
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	7	0.14
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	8	0.14
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	8	0.14
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	8	0.14
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	12	0.14
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	12	0.14
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	12	0.14
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	16	0.14
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	16	0.14
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	16	0.14
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	29	0.14
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	29	0.14
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	29	0.14
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	33	0.14
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	33	0.14
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	33	0.14
(1,1559)	1:10:A:ILE:HD11	1:10:A:ILE:HA	36	0.14
(1,1559)	1:10:A:ILE:HD12	1:10:A:ILE:HA	36	0.14
(1,1559)	1:10:A:ILE:HD13	1:10:A:ILE:HA	36	0.14
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	29	0.14
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	29	0.14
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	29	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	3	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	3	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	5	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	5	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	5	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	6	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	6	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	6	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	7	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	7	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	7	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	9	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	9	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	9	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	10	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	10	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	10	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	12	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	12	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	12	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	16	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	16	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	16	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	17	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	17	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	17	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	18	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	18	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	18	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	19	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	19	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	19	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	20	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	20	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	20	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	23	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	23	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	23	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	25	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	25	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	25	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	26	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	26	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	26	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	29	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	29	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	29	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	30	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	30	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	30	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	31	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	31	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	31	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	32	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	32	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	32	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	33	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	33	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	33	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	34	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	34	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	34	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	37	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	37	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	37	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	38	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	38	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	38	0.14
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	39	0.14
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	39	0.14
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	39	0.14
(1,1535)	1:2:A:ILE:HD11	1:2:A:ILE:HA	29	0.14
(1,1535)	1:2:A:ILE:HD12	1:2:A:ILE:HA	29	0.14
(1,1535)	1:2:A:ILE:HD13	1:2:A:ILE:HA	29	0.14
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	2	0.14
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	2	0.14
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	2	0.14
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	7	0.14
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	7	0.14
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	7	0.14
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	11	0.14
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	11	0.14
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	11	0.14
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	18	0.14
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	18	0.14
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	23	0.14
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	23	0.14
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	23	0.14
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	25	0.14
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	25	0.14
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	25	0.14
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	30	0.14
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	30	0.14
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	30	0.14
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	31	0.14
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	31	0.14
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	31	0.14
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	33	0.14
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	33	0.14
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	33	0.14
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	39	0.14
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	39	0.14
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	39	0.14
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	1	0.14
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	1	0.14
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	1	0.14
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	5	0.14
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	5	0.14
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	5	0.14
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	23	0.14
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	23	0.14
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	23	0.14
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	37	0.14
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	37	0.14
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	37	0.14
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	16	0.14
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	16	0.14
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	16	0.14
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	28	0.14
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	28	0.14
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	28	0.14
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	33	0.14
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	33	0.14
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	33	0.14
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	39	0.14
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	39	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	39	0.14
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	4	0.14
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	4	0.14
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	4	0.14
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	4	0.14
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	4	0.14
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	4	0.14
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	7	0.14
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	7	0.14
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	7	0.14
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	7	0.14
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	7	0.14
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	7	0.14
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	12	0.14
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	12	0.14
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	12	0.14
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	12	0.14
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	12	0.14
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	12	0.14
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	21	0.14
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	21	0.14
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	21	0.14
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	21	0.14
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	21	0.14
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	21	0.14
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	23	0.14
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	23	0.14
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	23	0.14
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	23	0.14
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	23	0.14
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	23	0.14
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	40	0.14
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	40	0.14
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	40	0.14
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	40	0.14
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	40	0.14
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	40	0.14
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	8	0.14
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	8	0.14
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	8	0.14
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	13	0.14
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	13	0.14
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	18	0.14
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	18	0.14
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	18	0.14
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	35	0.14
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	35	0.14
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	35	0.14
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	27	0.14
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	27	0.14
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	27	0.14
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD11	27	0.14
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD12	27	0.14
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD13	27	0.14
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD11	27	0.14
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD12	27	0.14
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD13	27	0.14
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD11	27	0.14
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD12	27	0.14
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD13	27	0.14
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	4	0.14
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	4	0.14
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	4	0.14
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	15	0.14
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	15	0.14
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	15	0.14
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	16	0.14
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	16	0.14
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	16	0.14
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	29	0.14
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	29	0.14
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	29	0.14
(1,1500)	1:66:A:MET:HE1	1:66:A:MET:HB2	39	0.14
(1,1500)	1:66:A:MET:HE2	1:66:A:MET:HB2	39	0.14
(1,1500)	1:66:A:MET:HE3	1:66:A:MET:HB2	39	0.14
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	9	0.14
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	9	0.14
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	9	0.14
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	7	0.14
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	7	0.14
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	7	0.14
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	31	0.14
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	31	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	31	0.14
(1,1484)	1:81:A:VAL:HB	1:42:A:TRP:HE1	5	0.14
(1,1484)	1:81:A:VAL:HB	1:42:A:TRP:HE1	14	0.14
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	1	0.14
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	1	0.14
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	1	0.14
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	2	0.14
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	2	0.14
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	2	0.14
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	4	0.14
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	4	0.14
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	4	0.14
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	9	0.14
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	9	0.14
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	9	0.14
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	10	0.14
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	10	0.14
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	10	0.14
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	15	0.14
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	15	0.14
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	15	0.14
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	18	0.14
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	18	0.14
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	18	0.14
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	22	0.14
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	22	0.14
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	22	0.14
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	26	0.14
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	26	0.14
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	26	0.14
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	27	0.14
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	27	0.14
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	27	0.14
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	31	0.14
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	31	0.14
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	31	0.14
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	32	0.14
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	32	0.14
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	32	0.14
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	35	0.14
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	35	0.14
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	35	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	39	0.14
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	39	0.14
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	39	0.14
(1,1463)	1:71:A:VAL:HG21	1:72:A:THR:H	18	0.14
(1,1463)	1:71:A:VAL:HG22	1:72:A:THR:H	18	0.14
(1,1463)	1:71:A:VAL:HG23	1:72:A:THR:H	18	0.14
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	1	0.14
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	1	0.14
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	1	0.14
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	4	0.14
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	4	0.14
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	4	0.14
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	10	0.14
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	10	0.14
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	10	0.14
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	16	0.14
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	16	0.14
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	16	0.14
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	27	0.14
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	27	0.14
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	27	0.14
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	29	0.14
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	29	0.14
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	29	0.14
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	34	0.14
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	34	0.14
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	34	0.14
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	39	0.14
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	39	0.14
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	39	0.14
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	9	0.14
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	9	0.14
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	9	0.14
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	36	0.14
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	36	0.14
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	36	0.14
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	38	0.14
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	38	0.14
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	38	0.14
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	39	0.14
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	39	0.14
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	39	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	2	0.14
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	2	0.14
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	2	0.14
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	3	0.14
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	3	0.14
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	3	0.14
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	4	0.14
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	4	0.14
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	4	0.14
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	5	0.14
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	5	0.14
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	5	0.14
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	6	0.14
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	6	0.14
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	6	0.14
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	14	0.14
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	14	0.14
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	14	0.14
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	16	0.14
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	16	0.14
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	16	0.14
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	22	0.14
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	22	0.14
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	22	0.14
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	25	0.14
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	25	0.14
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	25	0.14
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	27	0.14
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	27	0.14
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	27	0.14
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	31	0.14
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	31	0.14
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	31	0.14
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	32	0.14
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	32	0.14
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	32	0.14
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	39	0.14
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	39	0.14
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	39	0.14
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	40	0.14
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	40	0.14
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	40	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	3	0.14
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	3	0.14
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	3	0.14
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	5	0.14
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	5	0.14
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	5	0.14
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	10	0.14
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	10	0.14
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	10	0.14
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	35	0.14
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	35	0.14
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	35	0.14
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	24	0.14
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	24	0.14
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	24	0.14
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	24	0.14
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	24	0.14
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	24	0.14
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	24	0.14
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	24	0.14
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	24	0.14
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	40	0.14
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	40	0.14
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	40	0.14
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	40	0.14
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	40	0.14
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	40	0.14
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	40	0.14
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	40	0.14
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	40	0.14
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	24	0.14
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	24	0.14
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	24	0.14
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	24	0.14
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	24	0.14
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	24	0.14
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	24	0.14
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	24	0.14
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	24	0.14
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	40	0.14
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	40	0.14
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	40	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	40	0.14
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	40	0.14
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	40	0.14
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	40	0.14
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	40	0.14
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	40	0.14
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	6	0.14
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	16	0.14
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	33	0.14
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	8	0.14
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	8	0.14
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	8	0.14
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	16	0.14
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	16	0.14
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	16	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	4	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	10	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	11	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	14	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	15	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	19	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	20	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	23	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	25	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	26	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	29	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	30	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	31	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	32	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	33	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	35	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	36	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	37	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	39	0.14
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	40	0.14
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	9	0.14
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	15	0.14
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	29	0.14
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	35	0.14
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	36	0.14
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	12	0.14
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	12	0.14
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	19	0.14
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	19	0.14
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	19	0.14
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	21	0.14
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	21	0.14
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	21	0.14
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	31	0.14
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	31	0.14
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	31	0.14
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	17	0.14
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	17	0.14
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	17	0.14
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	17	0.14
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	17	0.14
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	17	0.14
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	17	0.14
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	17	0.14
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	17	0.14
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	20	0.14
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	20	0.14
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	20	0.14
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	20	0.14
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	20	0.14
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	20	0.14
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	20	0.14
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	20	0.14
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	20	0.14
(1,1289)	1:40:A:VAL:HG21	1:42:A:TRP:HE1	35	0.14
(1,1289)	1:40:A:VAL:HG22	1:42:A:TRP:HE1	35	0.14
(1,1289)	1:40:A:VAL:HG23	1:42:A:TRP:HE1	35	0.14
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	12	0.14
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	12	0.14
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	12	0.14
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	19	0.14
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	19	0.14
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	19	0.14
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	21	0.14
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	21	0.14
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	21	0.14
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	31	0.14
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	31	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	31	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	1	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	1	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	1	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	1	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	1	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	1	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	1	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	1	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	1	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	4	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	4	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	4	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	4	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	4	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	4	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	4	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	4	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	4	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	17	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	17	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	17	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	17	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	17	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	17	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	17	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	17	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	17	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	18	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	18	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	18	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	18	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	18	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	18	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	18	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	18	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	18	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	22	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	22	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	22	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	22	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	22	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	22	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	22	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	22	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	22	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	30	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	30	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	30	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	30	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	30	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	30	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	30	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	30	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	30	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	34	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	34	0.14
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	34	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	34	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	34	0.14
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	34	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	34	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	34	0.14
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	34	0.14
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	10	0.14
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	10	0.14
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	10	0.14
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	11	0.14
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	11	0.14
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	11	0.14
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	13	0.14
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	13	0.14
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	13	0.14
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	33	0.14
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	33	0.14
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	33	0.14
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	34	0.14
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	34	0.14
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	34	0.14
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	35	0.14
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	35	0.14
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	35	0.14
(1,1263)	1:94:A:THR:HG21	1:94:A:THR:HA	28	0.14
(1,1263)	1:94:A:THR:HG22	1:94:A:THR:HA	28	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1263)	1:94:A:THR:HG23	1:94:A:THR:HA	28	0.14
(1,1261)	1:67:A:THR:HG21	1:56:A:ASN:H	23	0.14
(1,1261)	1:67:A:THR:HG22	1:56:A:ASN:H	23	0.14
(1,1261)	1:67:A:THR:HG23	1:56:A:ASN:H	23	0.14
(1,1257)	1:67:A:THR:HG21	1:26:A:SER:HB2	4	0.14
(1,1257)	1:67:A:THR:HG22	1:26:A:SER:HB2	4	0.14
(1,1257)	1:67:A:THR:HG23	1:26:A:SER:HB2	4	0.14
(1,1257)	1:67:A:THR:HG21	1:26:A:SER:HB2	30	0.14
(1,1257)	1:67:A:THR:HG22	1:26:A:SER:HB2	30	0.14
(1,1257)	1:67:A:THR:HG23	1:26:A:SER:HB2	30	0.14
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	22	0.14
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	22	0.14
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	22	0.14
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	30	0.14
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	30	0.14
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	30	0.14
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	31	0.14
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	31	0.14
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	31	0.14
(1,1248)	1:28:A:THR:HG21	1:67:A:THR:HG21	9	0.14
(1,1248)	1:28:A:THR:HG21	1:67:A:THR:HG22	9	0.14
(1,1248)	1:28:A:THR:HG21	1:67:A:THR:HG23	9	0.14
(1,1248)	1:28:A:THR:HG22	1:67:A:THR:HG21	9	0.14
(1,1248)	1:28:A:THR:HG22	1:67:A:THR:HG22	9	0.14
(1,1248)	1:28:A:THR:HG22	1:67:A:THR:HG23	9	0.14
(1,1248)	1:28:A:THR:HG23	1:67:A:THR:HG21	9	0.14
(1,1248)	1:28:A:THR:HG23	1:67:A:THR:HG22	9	0.14
(1,1248)	1:28:A:THR:HG23	1:67:A:THR:HG23	9	0.14
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	1	0.14
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	1	0.14
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	1	0.14
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	7	0.14
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	7	0.14
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	7	0.14
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	17	0.14
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	17	0.14
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	17	0.14
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	19	0.14
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	19	0.14
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	19	0.14
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	24	0.14
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	24	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	24	0.14
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	25	0.14
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	25	0.14
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	25	0.14
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	34	0.14
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	34	0.14
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	34	0.14
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	35	0.14
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	35	0.14
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	35	0.14
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	39	0.14
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	39	0.14
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	39	0.14
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	40	0.14
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	40	0.14
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	40	0.14
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	21	0.14
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	21	0.14
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	21	0.14
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	32	0.14
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	32	0.14
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	32	0.14
(1,1236)	1:13:A:THR:HG21	1:34:A:SER:HB3	15	0.14
(1,1236)	1:13:A:THR:HG22	1:34:A:SER:HB3	15	0.14
(1,1236)	1:13:A:THR:HG23	1:34:A:SER:HB3	15	0.14
(1,1236)	1:13:A:THR:HG21	1:34:A:SER:HB3	25	0.14
(1,1236)	1:13:A:THR:HG22	1:34:A:SER:HB3	25	0.14
(1,1236)	1:13:A:THR:HG23	1:34:A:SER:HB3	25	0.14
(1,1226)	1:101:A:LEU:H	1:22:A:SER:HA	6	0.14
(1,1226)	1:101:A:LEU:H	1:22:A:SER:HA	7	0.14
(1,1226)	1:101:A:LEU:H	1:22:A:SER:HA	19	0.14
(1,1226)	1:101:A:LEU:H	1:22:A:SER:HA	26	0.14
(1,1226)	1:101:A:LEU:H	1:22:A:SER:HA	39	0.14
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	20	0.14
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	20	0.14
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	20	0.14
(1,1213)	1:66:A:MET:H	1:28:A:THR:HA	4	0.14
(1,1213)	1:66:A:MET:H	1:28:A:THR:HA	7	0.14
(1,1213)	1:66:A:MET:H	1:28:A:THR:HA	31	0.14
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	24	0.14
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	24	0.14
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	24	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG21	33	0.14
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG22	33	0.14
(1,1190)	1:22:A:SER:H	1:21:A:VAL:HG23	33	0.14
(1,1185)	1:21:A:VAL:H	1:100:A:GLU:HB3	14	0.14
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG11	15	0.14
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG12	15	0.14
(1,1177)	1:100:A:GLU:H	1:21:A:VAL:HG13	15	0.14
(1,1174)	1:91:A:ALA:H	1:84:A:ARG:HA	11	0.14
(1,1174)	1:91:A:ALA:H	1:84:A:ARG:HA	15	0.14
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	23	0.14
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	23	0.14
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	30	0.14
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	30	0.14
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE1	36	0.14
(1,1162)	1:97:A:LEU:H	1:29:A:PHE:HE2	36	0.14
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	30	0.14
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	32	0.14
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	35	0.14
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	37	0.14
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	38	0.14
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	6	0.14
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	7	0.14
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	9	0.14
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	15	0.14
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	25	0.14
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	27	0.14
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	28	0.14
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	30	0.14
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	32	0.14
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	34	0.14
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	35	0.14
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	36	0.14
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	37	0.14
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	38	0.14
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	10	0.14
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	16	0.14
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	18	0.14
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	26	0.14
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	28	0.14
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	31	0.14
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	34	0.14
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	35	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:26:A:SER:H	1:26:A:SER:HB3	14	0.14
(1,1043)	1:26:A:SER:H	1:26:A:SER:HB3	26	0.14
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	9	0.14
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	17	0.14
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	18	0.14
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	35	0.14
(1,1002)	1:5:A:PHE:H	1:4:A:PRO:HA	29	0.14
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	5	0.14
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	21	0.14
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	23	0.14
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	27	0.14
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	31	0.14
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	39	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	4	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	10	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	11	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	14	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	15	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	19	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	20	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	23	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	25	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	26	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	29	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	30	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	31	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	32	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	33	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	35	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	36	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	37	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	39	0.14
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	40	0.14
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG21	6	0.14
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG22	6	0.14
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG23	6	0.14
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	1	0.14
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	13	0.14
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	23	0.14
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	26	0.14
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	8	0.14
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	21	0.14
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	22	0.14
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	27	0.14
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	5	0.14
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	5	0.14
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	5	0.14
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	14	0.14
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	14	0.14
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	14	0.14
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	17	0.14
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	17	0.14
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	17	0.14
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	18	0.14
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	18	0.14
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	18	0.14
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	19	0.14
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	30	0.14
(1,918)	1:37:A:ASP:H	1:36:A:ASP:HB3	36	0.14
(1,915)	1:37:A:ASP:H	1:37:A:ASP:HA	1	0.14
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	4	0.14
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	4	0.14
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	11	0.14
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	32	0.14
(1,870)	1:8:A:GLU:H	1:9:A:PRO:HD2	21	0.14
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	14	0.14
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	14	0.14
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	14	0.14
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	15	0.14
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	15	0.14
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	15	0.14
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	17	0.14
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	17	0.14
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	17	0.14
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	31	0.14
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	31	0.14
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	31	0.14
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	40	0.14
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	40	0.14
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	40	0.14
(1,827)	1:17:A:GLN:H	1:17:A:GLN:HB2	8	0.14
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	11	0.14
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	1	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	1	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	1	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	2	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	2	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	2	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	4	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	4	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	4	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	9	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	9	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	9	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	10	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	10	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	10	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	15	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	15	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	15	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	18	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	18	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	18	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	22	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	22	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	22	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	26	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	26	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	26	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	27	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	27	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	27	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	31	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	31	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	31	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	32	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	32	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	32	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	35	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	35	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	35	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	39	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	39	0.14
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	39	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	26	0.14
(1,717)	1:16:A:ILE:H	1:15:A:ARG:HB2	19	0.14
(1,683)	1:23:A:GLU:H	1:22:A:SER:HB3	6	0.14
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	2	0.14
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	6	0.14
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	25	0.14
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	27	0.14
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	33	0.14
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	37	0.14
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	7	0.14
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	15	0.14
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	33	0.14
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	40	0.14
(1,591)	1:3:A:ASP:H	1:3:A:ASP:HA	9	0.14
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	5	0.14
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	5	0.14
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	5	0.14
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	8	0.14
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	8	0.14
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	8	0.14
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	24	0.14
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	24	0.14
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	24	0.14
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	31	0.14
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	31	0.14
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	31	0.14
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	40	0.14
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	40	0.14
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	40	0.14
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	2	0.14
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	5	0.14
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	5	0.14
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	13	0.14
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	13	0.14
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	23	0.14
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	23	0.14
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	25	0.14
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	25	0.14
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	10	0.14
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	7	0.14
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	11	0.14
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	34	0.14
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	10	0.14
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	12	0.14
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	16	0.14
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	24	0.14
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	25	0.14
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	26	0.14
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	27	0.14
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	30	0.14
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	32	0.14
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	40	0.14
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	16	0.14
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	24	0.14
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	26	0.14
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	32	0.14
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	40	0.14
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	10	0.14
(1,419)	1:69:A:HIS:H	1:54:A:LYS:HA	12	0.14
(1,410)	1:96:A:GLU:H	1:18:A:ASN:HD21	21	0.14
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD21	34	0.14
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD22	34	0.14
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD23	34	0.14
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	3	0.14
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	4	0.14
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	6	0.14
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	7	0.14
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	12	0.14
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	16	0.14
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	19	0.14
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	37	0.14
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	1	0.14
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	3	0.14
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	7	0.14
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	9	0.14
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	26	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	1	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	1	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	1	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	7	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	7	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	7	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	17	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	17	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	18	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	18	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	18	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	19	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	19	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	19	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	21	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	21	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	21	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	24	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	24	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	24	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	33	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	33	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	33	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	34	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	34	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	34	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	35	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	35	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	35	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	40	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	40	0.14
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	40	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	1	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	1	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	1	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	4	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	4	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	4	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	10	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	10	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	10	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	16	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	16	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	16	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	27	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	27	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	27	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	29	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	29	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	29	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	34	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	34	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	34	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	39	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	39	0.14
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	39	0.14
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	1	0.14
(1,368)	1:18:A:ASN:H	1:17:A:GLN:HB3	26	0.14
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	9	0.14
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	9	0.14
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	5	0.14
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	6	0.14
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	7	0.14
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	14	0.14
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	16	0.14
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	27	0.14
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	28	0.14
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	35	0.14
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	16	0.14
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	1	0.14
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	1	0.14
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	18	0.14
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	18	0.14
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	34	0.14
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	34	0.14
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	6	0.14
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	9	0.14
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	28	0.14
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	38	0.14
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	38	0.14
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	38	0.14
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	40	0.14
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	40	0.14
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	40	0.14
(1,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	38	0.14
(1,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	39	0.14
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	23	0.14
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	25	0.14
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	40	0.14
(1,136)	1:39:A:ILE:H	1:10:A:ILE:HD11	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:39:A:ILE:H	1:10:A:ILE:HD12	11	0.14
(1,136)	1:39:A:ILE:H	1:10:A:ILE:HD13	11	0.14
(1,136)	1:39:A:ILE:H	1:10:A:ILE:HD11	36	0.14
(1,136)	1:39:A:ILE:H	1:10:A:ILE:HD12	36	0.14
(1,136)	1:39:A:ILE:H	1:10:A:ILE:HD13	36	0.14
(1,57)	1:42:A:TRP:H	1:41:A:THR:HB	7	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	2	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	3	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	5	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	8	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	10	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	11	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	12	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	14	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	16	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	20	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	21	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	24	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	25	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	26	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	27	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	29	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	31	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	32	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	33	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	37	0.14
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	40	0.14
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	21	0.14
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	31	0.14
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	40	0.14
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	1	0.14
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	3	0.14
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	5	0.14
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	8	0.14
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	11	0.14
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	14	0.14
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	16	0.14
(3,3217)	1:69:A:HIS:HE1	1:67:A:THR:HB	14	0.13
(3,3217)	1:69:A:HIS:HE1	1:67:A:THR:HB	21	0.13
(3,3217)	1:69:A:HIS:HE1	1:67:A:THR:HB	29	0.13
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	2	0.13
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	12	0.13
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	12	0.13
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	21	0.13
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	21	0.13
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	32	0.13
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	32	0.13
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	33	0.13
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	33	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	8	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	8	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	8	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	8	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	8	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	8	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	13	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	13	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	13	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	13	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	13	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	13	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	18	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	18	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	18	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	18	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	18	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	18	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	23	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	23	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	23	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	23	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	23	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	23	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	37	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	37	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	37	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	37	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	37	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	37	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	38	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	38	0.13
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	38	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	38	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	38	0.13
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	38	0.13
(3,3203)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	17	0.13
(3,3203)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	27	0.13
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	2	0.13
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	2	0.13
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	2	0.13
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	2	0.13
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	15	0.13
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	15	0.13
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	15	0.13
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	15	0.13
(3,3191)	1:43:A:TYR:HD1	1:44:A:LYS:H	28	0.13
(3,3191)	1:43:A:TYR:HD2	1:44:A:LYS:H	28	0.13
(3,3191)	1:43:A:TYR:HD1	1:44:A:LYS:H	29	0.13
(3,3191)	1:43:A:TYR:HD2	1:44:A:LYS:H	29	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	6	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	6	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	6	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	8	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	8	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	8	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	12	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	12	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	12	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	13	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	13	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	13	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	40	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	40	0.13
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	40	0.13
(3,3175)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	21	0.13
(3,3175)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	22	0.13
(3,3175)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	23	0.13
(3,3175)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	24	0.13
(3,3175)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	25	0.13
(3,3175)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	30	0.13
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	3	0.13
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	3	0.13
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	17	0.13
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	17	0.13
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	29	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	29	0.13
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	37	0.13
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	37	0.13
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	31	0.13
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	31	0.13
(3,3139)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	2	0.13
(3,3139)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	2	0.13
(3,3139)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	24	0.13
(3,3139)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	24	0.13
(3,3139)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	38	0.13
(3,3139)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	38	0.13
(3,3138)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	24	0.13
(3,3138)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	24	0.13
(3,3138)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	33	0.13
(3,3138)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	33	0.13
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	4	0.13
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	4	0.13
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	11	0.13
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	11	0.13
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	35	0.13
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	35	0.13
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	6	0.13
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	6	0.13
(3,3132)	1:55:A:TYR:HD1	1:51:A:GLU:HA	35	0.13
(3,3132)	1:55:A:TYR:HD2	1:51:A:GLU:HA	35	0.13
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	6	0.13
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	6	0.13
(3,3131)	1:55:A:TYR:HD1	1:51:A:GLU:HA	35	0.13
(3,3131)	1:55:A:TYR:HD2	1:51:A:GLU:HA	35	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	7	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	7	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	7	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	7	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	7	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	7	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	10	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	10	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	10	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	10	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	10	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	10	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	12	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	12	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	12	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	12	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	12	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	16	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	16	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	16	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	16	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	16	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	16	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	18	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	18	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	18	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	18	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	18	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	18	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	19	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	19	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	19	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	19	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	19	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	19	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	24	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	24	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	24	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	24	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	24	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	24	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	40	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	40	0.13
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	40	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	40	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	40	0.13
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	40	0.13
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	4	0.13
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	4	0.13
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	4	0.13
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	4	0.13
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	4	0.13
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	4	0.13
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	22	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	22	0.13
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	22	0.13
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	22	0.13
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	22	0.13
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	22	0.13
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	31	0.13
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	31	0.13
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	31	0.13
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	31	0.13
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	31	0.13
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	31	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	3	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	3	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	3	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	3	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	9	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	9	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	9	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	9	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	10	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	10	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	10	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	10	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	12	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	12	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	12	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	12	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	14	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	14	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	14	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	14	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	21	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	21	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	21	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	21	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	23	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	23	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	23	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	23	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	27	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	27	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	27	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	27	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	28	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	28	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	28	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	28	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	36	0.13
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	36	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	36	0.13
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	36	0.13
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	14	0.13
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	14	0.13
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	14	0.13
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	14	0.13
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	14	0.13
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	14	0.13
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	22	0.13
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	22	0.13
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	22	0.13
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	22	0.13
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	22	0.13
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	22	0.13
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	25	0.13
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	25	0.13
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	25	0.13
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	25	0.13
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	25	0.13
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	25	0.13
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	27	0.13
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	27	0.13
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	27	0.13
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	27	0.13
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	27	0.13
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	27	0.13
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	32	0.13
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	32	0.13
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	32	0.13
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	32	0.13
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	32	0.13
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	32	0.13
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	35	0.13
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	35	0.13
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	35	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	35	0.13
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	35	0.13
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	35	0.13
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	36	0.13
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	36	0.13
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	36	0.13
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	36	0.13
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	36	0.13
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	36	0.13
(3,3092)	1:7:A:ALA:HB1	1:88:A:ARG:HD3	20	0.13
(3,3092)	1:7:A:ALA:HB2	1:88:A:ARG:HD3	20	0.13
(3,3092)	1:7:A:ALA:HB3	1:88:A:ARG:HD3	20	0.13
(3,3092)	1:7:A:ALA:HB1	1:88:A:ARG:HD3	21	0.13
(3,3092)	1:7:A:ALA:HB2	1:88:A:ARG:HD3	21	0.13
(3,3092)	1:7:A:ALA:HB3	1:88:A:ARG:HD3	21	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	6	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	6	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	6	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	16	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	16	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	16	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	19	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	19	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	19	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	26	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	26	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	26	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	28	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	28	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	28	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	33	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	33	0.13
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	33	0.13
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	29	0.13
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	29	0.13
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	38	0.13
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	38	0.13
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	14	0.13
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	14	0.13
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	25	0.13
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	25	0.13
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	34	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	34	0.13
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	38	0.13
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	38	0.13
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	40	0.13
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	40	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	13	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	13	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	13	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	18	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	18	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	18	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	25	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	25	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	25	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	27	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	27	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	27	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	30	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	30	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	30	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	34	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	34	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	34	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	36	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	36	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	36	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	37	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	37	0.13
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	37	0.13
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	10	0.13
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	21	0.13
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	38	0.13
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	39	0.13
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	6	0.13
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	6	0.13
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	6	0.13
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	39	0.13
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	39	0.13
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	39	0.13
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	3	0.13
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	12	0.13
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	21	0.13
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	24	0.13
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	33	0.13
(3,2975)	1:44:A:LYS:HE3	1:44:A:LYS:HD2	2	0.13
(3,2975)	1:44:A:LYS:HE3	1:44:A:LYS:HD2	20	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	2	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	3	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	4	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	5	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	6	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	7	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	8	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	10	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	12	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	13	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	14	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	18	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	19	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	20	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	21	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	23	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	24	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	26	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	27	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	28	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	29	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	30	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	32	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	33	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	34	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	35	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	36	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	39	0.13
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	40	0.13
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	1	0.13
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	4	0.13
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	5	0.13
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	7	0.13
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	8	0.13
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	10	0.13
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	13	0.13
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	17	0.13
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	21	0.13
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	23	0.13
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	28	0.13
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	33	0.13
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	34	0.13
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	37	0.13
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	39	0.13
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	3	0.13
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	3	0.13
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	17	0.13
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	17	0.13
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	29	0.13
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	29	0.13
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	37	0.13
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	37	0.13
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	4	0.13
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	8	0.13
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	31	0.13
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	36	0.13
(3,2936)	1:17:A:GLN:HG2	1:17:A:GLN:H	28	0.13
(3,2936)	1:17:A:GLN:HG2	1:17:A:GLN:H	29	0.13
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	4	0.13
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	7	0.13
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	10	0.13
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	11	0.13
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	12	0.13
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	17	0.13
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	21	0.13
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	36	0.13
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	38	0.13
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	7	0.13
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	20	0.13
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	21	0.13
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	24	0.13
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	25	0.13
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	28	0.13
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	30	0.13
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	32	0.13
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	38	0.13
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	5	0.13
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	11	0.13
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	19	0.13
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	23	0.13
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	26	0.13
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	27	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	1	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	3	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	5	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	7	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	8	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	9	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	10	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	12	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	13	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	14	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	15	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	16	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	17	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	18	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	19	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	20	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	21	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	22	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	23	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	24	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	25	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	26	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	27	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	28	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	30	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	32	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	35	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	36	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	37	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	38	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	39	0.13
(3,2774)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	40	0.13
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	11	0.13
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	14	0.13
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	31	0.13
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	17	0.13
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	7	0.13
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	8	0.13
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	4	0.13
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	14	0.13
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	33	0.13
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	13	0.13
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	14	0.13
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	17	0.13
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	21	0.13
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	22	0.13
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	24	0.13
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	28	0.13
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	35	0.13
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	38	0.13
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	39	0.13
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	40	0.13
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	4	0.13
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	13	0.13
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	19	0.13
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	22	0.13
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	20	0.13
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	20	0.13
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	20	0.13
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	9	0.13
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	29	0.13
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	2	0.13
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	8	0.13
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	12	0.13
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	17	0.13
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	20	0.13
(3,2541)	1:73:A:PRO:HG3	1:73:A:PRO:HA	27	0.13
(3,2541)	1:73:A:PRO:HG3	1:73:A:PRO:HA	29	0.13
(3,2541)	1:73:A:PRO:HG3	1:73:A:PRO:HA	34	0.13
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	31	0.13
(3,2490)	1:9:A:PRO:HD2	1:9:A:PRO:HA	28	0.13
(3,2482)	1:9:A:PRO:HD2	1:8:A:GLU:HA	13	0.13
(3,2482)	1:9:A:PRO:HD2	1:8:A:GLU:HA	15	0.13
(3,2463)	1:4:A:PRO:HD3	1:3:A:ASP:HA	16	0.13
(3,2463)	1:4:A:PRO:HD3	1:3:A:ASP:HA	26	0.13
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	8	0.13
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	32	0.13
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	40	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	6	0.13
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	18	0.13
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	20	0.13
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	23	0.13
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	22	0.13
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	29	0.13
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	7	0.13
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	7	0.13
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	7	0.13
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	10	0.13
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	10	0.13
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	10	0.13
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	39	0.13
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	39	0.13
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	39	0.13
(3,2342)	1:26:A:SER:HB3	1:27:A:ALA:H	4	0.13
(3,2342)	1:26:A:SER:HB3	1:27:A:ALA:H	25	0.13
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG21	31	0.13
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG22	31	0.13
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG23	31	0.13
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	2	0.13
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	3	0.13
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	6	0.13
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	9	0.13
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	14	0.13
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	19	0.13
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	25	0.13
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	31	0.13
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	33	0.13
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	35	0.13
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	37	0.13
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	2	0.13
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	2	0.13
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	2	0.13
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	17	0.13
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	17	0.13
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	17	0.13
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	21	0.13
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	21	0.13
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	21	0.13
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	23	0.13
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	23	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	23	0.13
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	38	0.13
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	38	0.13
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	38	0.13
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	27	0.13
(3,2253)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	27	0.13
(3,2240)	1:18:A:ASN:HB2	1:18:A:ASN:H	6	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	1	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	2	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	3	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	4	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	5	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	6	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	7	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	8	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	9	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	10	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	11	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	12	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	13	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	14	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	15	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	17	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	18	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	19	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	20	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	21	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	22	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	23	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	24	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	25	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	26	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	27	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	28	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	29	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	30	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	31	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	32	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	34	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	35	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	36	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	37	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	38	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	39	0.13
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	40	0.13
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	2	0.13
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	30	0.13
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	35	0.13
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	38	0.13
(3,2139)	1:67:A:THR:HB	1:56:A:ASN:HB2	19	0.13
(3,2102)	1:40:A:VAL:HG21	1:83:A:ALA:HA	37	0.13
(3,2102)	1:40:A:VAL:HG22	1:83:A:ALA:HA	37	0.13
(3,2102)	1:40:A:VAL:HG23	1:83:A:ALA:HA	37	0.13
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	9	0.13
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	9	0.13
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	9	0.13
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	20	0.13
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	20	0.13
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	20	0.13
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	20	0.13
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	20	0.13
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	20	0.13
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	20	0.13
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	20	0.13
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	20	0.13
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	32	0.13
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	32	0.13
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	32	0.13
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	32	0.13
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	32	0.13
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	32	0.13
(3,2081)	1:97:A:LEU:HD11	1:21:A:VAL:HB	7	0.13
(3,2081)	1:97:A:LEU:HD12	1:21:A:VAL:HB	7	0.13
(3,2081)	1:97:A:LEU:HD13	1:21:A:VAL:HB	7	0.13
(3,2081)	1:97:A:LEU:HD11	1:21:A:VAL:HB	34	0.13
(3,2081)	1:97:A:LEU:HD12	1:21:A:VAL:HB	34	0.13
(3,2081)	1:97:A:LEU:HD13	1:21:A:VAL:HB	34	0.13
(3,2073)	1:94:A:THR:HG21	1:93:A:SER:HA	17	0.13
(3,2073)	1:94:A:THR:HG22	1:93:A:SER:HA	17	0.13
(3,2073)	1:94:A:THR:HG23	1:93:A:SER:HA	17	0.13
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	1	0.13
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	1	0.13
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	1	0.13
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	1	0.13
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	1	0.13
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	1	0.13
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	1	0.13
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	1	0.13
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	10	0.13
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	10	0.13
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	10	0.13
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	10	0.13
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	10	0.13
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	10	0.13
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	10	0.13
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	10	0.13
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	10	0.13
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	34	0.13
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	34	0.13
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	34	0.13
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	34	0.13
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	34	0.13
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	34	0.13
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	34	0.13
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	34	0.13
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	34	0.13
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	10	0.13
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	10	0.13
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	10	0.13
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	10	0.13
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	10	0.13
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	10	0.13
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	20	0.13
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	20	0.13
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	20	0.13
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	1	0.13
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	1	0.13
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	1	0.13
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	12	0.13
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	12	0.13
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	12	0.13
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	30	0.13
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	30	0.13
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	30	0.13
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	35	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	35	0.13
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	18	0.13
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	18	0.13
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	18	0.13
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	18	0.13
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	18	0.13
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	18	0.13
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	18	0.13
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	18	0.13
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	18	0.13
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	28	0.13
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	28	0.13
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	28	0.13
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	28	0.13
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	28	0.13
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	28	0.13
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	28	0.13
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	28	0.13
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	28	0.13
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	2	0.13
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	18	0.13
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	19	0.13
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	33	0.13
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	3	0.13
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	3	0.13
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	3	0.13
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	15	0.13
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	15	0.13
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	15	0.13
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	28	0.13
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	28	0.13
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	28	0.13
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	29	0.13
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	29	0.13
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	29	0.13
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	39	0.13
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	39	0.13
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	39	0.13
(3,1997)	1:21:A:VAL:HG11	1:25:A:GLN:HG3	27	0.13
(3,1997)	1:21:A:VAL:HG12	1:25:A:GLN:HG3	27	0.13
(3,1997)	1:21:A:VAL:HG13	1:25:A:GLN:HG3	27	0.13
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	3	0.13
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	3	0.13
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	11	0.13
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	11	0.13
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	11	0.13
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	21	0.13
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	21	0.13
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	21	0.13
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	23	0.13
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	23	0.13
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	23	0.13
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	25	0.13
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	25	0.13
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	25	0.13
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	26	0.13
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	26	0.13
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	26	0.13
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	34	0.13
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	34	0.13
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	34	0.13
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	36	0.13
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	36	0.13
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	36	0.13
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	11	0.13
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	29	0.13
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	7	0.13
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	7	0.13
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	7	0.13
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	13	0.13
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	13	0.13
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	13	0.13
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	20	0.13
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	20	0.13
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	20	0.13
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	21	0.13
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	21	0.13
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	21	0.13
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	23	0.13
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	23	0.13
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	23	0.13
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	25	0.13
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	25	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	25	0.13
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	35	0.13
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	35	0.13
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	35	0.13
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	36	0.13
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	36	0.13
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	36	0.13
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	38	0.13
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	38	0.13
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	38	0.13
(3,1906)	1:66:A:MET:HE1	1:79:A:TYR:HA	10	0.13
(3,1906)	1:66:A:MET:HE2	1:79:A:TYR:HA	10	0.13
(3,1906)	1:66:A:MET:HE3	1:79:A:TYR:HA	10	0.13
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	3	0.13
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	3	0.13
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	3	0.13
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	35	0.13
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	35	0.13
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	35	0.13
(3,1899)	1:47:A:THR:HG21	1:44:A:LYS:HB3	26	0.13
(3,1899)	1:47:A:THR:HG22	1:44:A:LYS:HB3	26	0.13
(3,1899)	1:47:A:THR:HG23	1:44:A:LYS:HB3	26	0.13
(3,1864)	1:7:A:ALA:HB1	1:88:A:ARG:HA	13	0.13
(3,1864)	1:7:A:ALA:HB2	1:88:A:ARG:HA	13	0.13
(3,1864)	1:7:A:ALA:HB3	1:88:A:ARG:HA	13	0.13
(3,1864)	1:7:A:ALA:HB1	1:88:A:ARG:HA	19	0.13
(3,1864)	1:7:A:ALA:HB2	1:88:A:ARG:HA	19	0.13
(3,1864)	1:7:A:ALA:HB3	1:88:A:ARG:HA	19	0.13
(3,1864)	1:7:A:ALA:HB1	1:88:A:ARG:HA	30	0.13
(3,1864)	1:7:A:ALA:HB2	1:88:A:ARG:HA	30	0.13
(3,1864)	1:7:A:ALA:HB3	1:88:A:ARG:HA	30	0.13
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	6	0.13
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	6	0.13
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	6	0.13
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	15	0.13
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	15	0.13
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	15	0.13
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	2	0.13
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	6	0.13
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	8	0.13
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	11	0.13
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	18	0.13
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	26	0.13
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	27	0.13
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	28	0.13
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	33	0.13
(3,1814)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	37	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	2	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	3	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	4	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	5	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	6	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	7	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	8	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	10	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	12	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	13	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	14	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	18	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	19	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	20	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	21	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	23	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	24	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	26	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	27	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	28	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	29	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	30	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	32	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	33	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	34	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	35	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	36	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	39	0.13
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	40	0.13
(3,1728)	1:38:A:ALA:HB1	1:83:A:ALA:HA	34	0.13
(3,1728)	1:38:A:ALA:HB2	1:83:A:ALA:HA	34	0.13
(3,1728)	1:38:A:ALA:HB3	1:83:A:ALA:HA	34	0.13
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	26	0.13
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	26	0.13
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	26	0.13
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	26	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	26	0.13
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	26	0.13
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	26	0.13
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	26	0.13
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	26	0.13
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	32	0.13
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	32	0.13
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	32	0.13
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	32	0.13
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	32	0.13
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	32	0.13
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	32	0.13
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	32	0.13
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	32	0.13
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	9	0.13
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	9	0.13
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	9	0.13
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	11	0.13
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	11	0.13
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	11	0.13
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	16	0.13
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	16	0.13
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	16	0.13
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	17	0.13
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	17	0.13
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	17	0.13
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	18	0.13
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	18	0.13
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	18	0.13
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	9	0.13
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	9	0.13
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	9	0.13
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	9	0.13
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	9	0.13
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	9	0.13
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	9	0.13
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	9	0.13
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	9	0.13
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	31	0.13
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	31	0.13
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	31	0.13
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	31	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	31	0.13
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	31	0.13
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	31	0.13
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	31	0.13
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	31	0.13
(3,1683)	1:85:A:LEU:HD11	1:35:A:PHE:HD1	16	0.13
(3,1683)	1:85:A:LEU:HD11	1:35:A:PHE:HD2	16	0.13
(3,1683)	1:85:A:LEU:HD12	1:35:A:PHE:HD1	16	0.13
(3,1683)	1:85:A:LEU:HD12	1:35:A:PHE:HD2	16	0.13
(3,1683)	1:85:A:LEU:HD13	1:35:A:PHE:HD1	16	0.13
(3,1683)	1:85:A:LEU:HD13	1:35:A:PHE:HD2	16	0.13
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	11	0.13
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	11	0.13
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	11	0.13
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	11	0.13
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	11	0.13
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	11	0.13
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	11	0.13
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	11	0.13
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	11	0.13
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	1	0.13
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	1	0.13
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	1	0.13
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	1	0.13
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	1	0.13
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	1	0.13
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	1	0.13
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	1	0.13
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	1	0.13
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	35	0.13
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	35	0.13
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	35	0.13
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	35	0.13
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	35	0.13
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	35	0.13
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	35	0.13
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	35	0.13
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	35	0.13
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	4	0.13
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	4	0.13
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	4	0.13
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	6	0.13
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	6	0.13
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	9	0.13
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	9	0.13
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	9	0.13
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	10	0.13
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	10	0.13
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	10	0.13
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	16	0.13
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	16	0.13
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	16	0.13
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	17	0.13
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	17	0.13
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	17	0.13
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	15	0.13
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	15	0.13
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	15	0.13
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	19	0.13
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	19	0.13
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	19	0.13
(3,1627)	1:82:A:ILE:HG21	1:84:A:ARG:HG2	6	0.13
(3,1627)	1:82:A:ILE:HG22	1:84:A:ARG:HG2	6	0.13
(3,1627)	1:82:A:ILE:HG23	1:84:A:ARG:HG2	6	0.13
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	2	0.13
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	2	0.13
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	2	0.13
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	35	0.13
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	35	0.13
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	35	0.13
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	7	0.13
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	7	0.13
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	7	0.13
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	7	0.13
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	7	0.13
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	7	0.13
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	10	0.13
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	10	0.13
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	10	0.13
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	10	0.13
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	10	0.13
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	10	0.13
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	12	0.13
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	12	0.13
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	12	0.13
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	12	0.13
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	12	0.13
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	16	0.13
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	16	0.13
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	16	0.13
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	16	0.13
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	16	0.13
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	16	0.13
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	18	0.13
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	18	0.13
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	18	0.13
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	18	0.13
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	18	0.13
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	18	0.13
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	19	0.13
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	19	0.13
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	19	0.13
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	19	0.13
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	19	0.13
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	19	0.13
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	24	0.13
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	24	0.13
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	24	0.13
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	24	0.13
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	24	0.13
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	24	0.13
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	40	0.13
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	40	0.13
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	40	0.13
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	40	0.13
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	40	0.13
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	40	0.13
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	8	0.13
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	8	0.13
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	8	0.13
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	8	0.13
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	8	0.13
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	8	0.13
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	12	0.13
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	12	0.13
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	12	0.13
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	12	0.13
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	12	0.13
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	18	0.13
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	18	0.13
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	18	0.13
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	18	0.13
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	18	0.13
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	18	0.13
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	21	0.13
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	21	0.13
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	21	0.13
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	21	0.13
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	21	0.13
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	21	0.13
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	23	0.13
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	23	0.13
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	23	0.13
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	23	0.13
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	23	0.13
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	23	0.13
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	33	0.13
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	33	0.13
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	33	0.13
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	33	0.13
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	33	0.13
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	33	0.13
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	40	0.13
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	40	0.13
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	40	0.13
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	40	0.13
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	40	0.13
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	40	0.13
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	15	0.13
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	15	0.13
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	15	0.13
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	18	0.13
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	18	0.13
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	18	0.13
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG21	24	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG22	24	0.13
(3,1594)	1:68:A:ILE:HB	1:71:A:VAL:HG23	24	0.13
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	23	0.13
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	23	0.13
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	23	0.13
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	31	0.13
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	31	0.13
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	31	0.13
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	40	0.13
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	40	0.13
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	40	0.13
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	1	0.13
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	1	0.13
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	1	0.13
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	8	0.13
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	8	0.13
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	8	0.13
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	13	0.13
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	13	0.13
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	13	0.13
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	14	0.13
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	14	0.13
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	14	0.13
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	15	0.13
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	15	0.13
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	15	0.13
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	21	0.13
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	21	0.13
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	21	0.13
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	22	0.13
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	22	0.13
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	22	0.13
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	27	0.13
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	27	0.13
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	27	0.13
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	28	0.13
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	28	0.13
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	28	0.13
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	35	0.13
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	35	0.13
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	35	0.13
(3,1542)	1:39:A:ILE:HG21	1:39:A:ILE:H	40	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1542)	1:39:A:ILE:HG22	1:39:A:ILE:H	40	0.13
(3,1542)	1:39:A:ILE:HG23	1:39:A:ILE:H	40	0.13
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	10	0.13
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	10	0.13
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	10	0.13
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	12	0.13
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	12	0.13
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	12	0.13
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	21	0.13
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	21	0.13
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	21	0.13
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	24	0.13
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	24	0.13
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	24	0.13
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	27	0.13
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	27	0.13
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	27	0.13
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	28	0.13
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	28	0.13
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	28	0.13
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	8	0.13
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	8	0.13
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	8	0.13
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	11	0.13
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	11	0.13
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	11	0.13
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	38	0.13
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	38	0.13
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	38	0.13
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	6	0.13
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	6	0.13
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	6	0.13
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	8	0.13
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	8	0.13
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	8	0.13
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	12	0.13
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	12	0.13
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	12	0.13
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	13	0.13
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	13	0.13
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	13	0.13
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	40	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	40	0.13
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	40	0.13
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	2	0.13
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	2	0.13
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	2	0.13
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	2	0.13
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	2	0.13
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	2	0.13
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	10	0.13
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	10	0.13
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	10	0.13
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	10	0.13
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	10	0.13
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	10	0.13
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	18	0.13
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	18	0.13
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	18	0.13
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	18	0.13
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	18	0.13
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	18	0.13
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	24	0.13
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	24	0.13
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	24	0.13
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	24	0.13
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	24	0.13
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	24	0.13
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	28	0.13
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	28	0.13
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	28	0.13
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	28	0.13
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	28	0.13
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	28	0.13
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	4	0.13
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	4	0.13
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	4	0.13
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	14	0.13
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	14	0.13
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	14	0.13
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	17	0.13
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	17	0.13
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	17	0.13
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	8	0.13
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	8	0.13
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	17	0.13
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	17	0.13
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	17	0.13
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	36	0.13
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	36	0.13
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	36	0.13
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD11	3	0.13
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD12	3	0.13
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD13	3	0.13
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD11	3	0.13
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD12	3	0.13
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD13	3	0.13
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD11	3	0.13
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD12	3	0.13
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD13	3	0.13
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	14	0.13
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	14	0.13
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	14	0.13
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	14	0.13
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	14	0.13
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	14	0.13
(3,1496)	1:81:A:VAL:HG11	1:92:A:ARG:HA	18	0.13
(3,1496)	1:81:A:VAL:HG12	1:92:A:ARG:HA	18	0.13
(3,1496)	1:81:A:VAL:HG13	1:92:A:ARG:HA	18	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	3	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	3	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	3	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	6	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	6	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	6	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	7	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	7	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	7	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	8	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	8	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	8	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	11	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	11	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	11	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	12	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	12	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	13	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	13	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	13	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	14	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	14	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	14	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	16	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	16	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	16	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	17	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	17	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	17	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	19	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	19	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	19	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	21	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	21	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	21	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	23	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	23	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	23	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	24	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	24	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	24	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	25	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	25	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	25	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	29	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	29	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	29	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	30	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	30	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	30	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	33	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	33	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	33	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	34	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	34	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	34	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	36	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	36	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	36	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	37	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	37	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	37	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	38	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	38	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	38	0.13
(3,1480)	1:78:A:VAL:HG11	1:78:A:VAL:H	40	0.13
(3,1480)	1:78:A:VAL:HG12	1:78:A:VAL:H	40	0.13
(3,1480)	1:78:A:VAL:HG13	1:78:A:VAL:H	40	0.13
(3,1412)	1:20:A:VAL:HG11	1:100:A:GLU:HA	5	0.13
(3,1412)	1:20:A:VAL:HG12	1:100:A:GLU:HA	5	0.13
(3,1412)	1:20:A:VAL:HG13	1:100:A:GLU:HA	5	0.13
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	6	0.13
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	6	0.13
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	6	0.13
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	17	0.13
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	17	0.13
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	17	0.13
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	20	0.13
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	20	0.13
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	20	0.13
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	31	0.13
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	31	0.13
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	31	0.13
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	3	0.13
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	3	0.13
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	3	0.13
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	13	0.13
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	13	0.13
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	13	0.13
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	19	0.13
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	19	0.13
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	19	0.13
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	40	0.13
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	40	0.13
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	40	0.13
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	7	0.13
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	7	0.13
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	7	0.13
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	10	0.13
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	10	0.13
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	11	0.13
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	11	0.13
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	11	0.13
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	13	0.13
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	13	0.13
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	13	0.13
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	15	0.13
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	15	0.13
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	15	0.13
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	17	0.13
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	17	0.13
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	17	0.13
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	24	0.13
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	24	0.13
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	24	0.13
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	26	0.13
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	26	0.13
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	26	0.13
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	28	0.13
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	28	0.13
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	28	0.13
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	33	0.13
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	33	0.13
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	33	0.13
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	34	0.13
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	34	0.13
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	34	0.13
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	38	0.13
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	38	0.13
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	38	0.13
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	4	0.13
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	4	0.13
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	4	0.13
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	21	0.13
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	21	0.13
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	21	0.13
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	30	0.13
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	30	0.13
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	30	0.13
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	31	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	31	0.13
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	31	0.13
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	39	0.13
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	39	0.13
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	39	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	6	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	6	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	6	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	6	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	6	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	6	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	6	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	6	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	6	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	25	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	25	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	25	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	25	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	25	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	25	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	25	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	25	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	25	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	33	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	33	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	33	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	33	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	33	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	33	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	33	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	33	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	33	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	34	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	34	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	34	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	34	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	34	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	34	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	34	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	34	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	34	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	35	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	35	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	35	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	35	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	35	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	35	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	35	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	35	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	35	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	39	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	39	0.13
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	39	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	39	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	39	0.13
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	39	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	39	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	39	0.13
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	39	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	6	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	6	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	6	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	6	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	6	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	6	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	6	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	6	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	6	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	25	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	25	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	25	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	25	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	25	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	25	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	25	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	25	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	25	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	33	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	33	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	33	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	33	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	33	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	33	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	33	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	33	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	33	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	34	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	34	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	34	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	34	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	34	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	34	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	34	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	34	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	34	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	35	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	35	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	35	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	35	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	35	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	35	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	35	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	35	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	35	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	39	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	39	0.13
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	39	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	39	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	39	0.13
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	39	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	39	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	39	0.13
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	39	0.13
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	9	0.13
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	12	0.13
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	29	0.13
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	34	0.13
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	39	0.13
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	1	0.13
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	1	0.13
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	1	0.13
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	28	0.13
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	28	0.13
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	28	0.13
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	1	0.13
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	5	0.13
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	6	0.13
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	7	0.13
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	8	0.13
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	9	0.13
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	12	0.13
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	13	0.13
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	21	0.13
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	24	0.13
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	27	0.13
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	38	0.13
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	4	0.13
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	28	0.13
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	28	0.13
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	28	0.13
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	29	0.13
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	29	0.13
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	29	0.13
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	18	0.13
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	18	0.13
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	18	0.13
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	18	0.13
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	18	0.13
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	18	0.13
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	18	0.13
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	18	0.13
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	18	0.13
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	28	0.13
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	28	0.13
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	28	0.13
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	28	0.13
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	28	0.13
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	28	0.13
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	28	0.13
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	28	0.13
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	28	0.13
(3,1293)	1:40:A:VAL:HG21	1:42:A:TRP:HE1	1	0.13
(3,1293)	1:40:A:VAL:HG22	1:42:A:TRP:HE1	1	0.13
(3,1293)	1:40:A:VAL:HG23	1:42:A:TRP:HE1	1	0.13
(3,1293)	1:40:A:VAL:HG21	1:42:A:TRP:HE1	37	0.13
(3,1293)	1:40:A:VAL:HG22	1:42:A:TRP:HE1	37	0.13
(3,1293)	1:40:A:VAL:HG23	1:42:A:TRP:HE1	37	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	28	0.13
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	28	0.13
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	28	0.13
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	29	0.13
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	29	0.13
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	29	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	1	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	2	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	3	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	4	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	5	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	6	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	7	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	8	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	9	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	10	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	11	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	12	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	13	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	14	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	15	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	17	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	18	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	19	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	20	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	21	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	22	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	23	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	24	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	25	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	26	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	27	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	28	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	29	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	30	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	31	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	32	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	34	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	35	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	36	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	37	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	38	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	39	0.13
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	40	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	1	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	2	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	3	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	4	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	5	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	6	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	7	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	8	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	9	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	10	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	11	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	12	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	13	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	14	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	15	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	17	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	18	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	19	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	20	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	21	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	22	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	23	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	24	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	25	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	26	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	27	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	28	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	29	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	30	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	31	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	32	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	34	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	35	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	36	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	37	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	38	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	39	0.13
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	40	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	21	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	21	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	21	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	21	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	21	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	21	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	21	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	21	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	21	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	24	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	24	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	24	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	24	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	24	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	24	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	24	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	24	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	24	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	29	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	29	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	29	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	29	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	29	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	29	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	29	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	29	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	29	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	32	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	32	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	32	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	32	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	32	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	32	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	32	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	32	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	32	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	35	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	35	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	35	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	35	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	35	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	35	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	35	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	35	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	35	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	37	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	37	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	37	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	37	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	37	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	37	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	37	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	37	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	37	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	38	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	38	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	38	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	38	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	38	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	38	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	38	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	38	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	38	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	39	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	39	0.13
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	39	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	39	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	39	0.13
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	39	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	39	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	39	0.13
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	39	0.13
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	16	0.13
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	16	0.13
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	16	0.13
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	29	0.13
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	29	0.13
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	29	0.13
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	40	0.13
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	40	0.13
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	40	0.13
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	16	0.13
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	16	0.13
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	16	0.13
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	29	0.13
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	29	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	29	0.13
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	40	0.13
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	40	0.13
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	40	0.13
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	2	0.13
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	2	0.13
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	2	0.13
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	3	0.13
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	3	0.13
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	3	0.13
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	12	0.13
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	12	0.13
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	12	0.13
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	20	0.13
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	20	0.13
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	20	0.13
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	21	0.13
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	21	0.13
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	21	0.13
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	23	0.13
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	23	0.13
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	23	0.13
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	24	0.13
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	24	0.13
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	24	0.13
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	25	0.13
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	25	0.13
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	25	0.13
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	26	0.13
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	26	0.13
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	26	0.13
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	30	0.13
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	30	0.13
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	30	0.13
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	32	0.13
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	32	0.13
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	32	0.13
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	36	0.13
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	36	0.13
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	36	0.13
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	37	0.13
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	37	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	37	0.13
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	38	0.13
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	38	0.13
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	38	0.13
(3,1261)	1:67:A:THR:HG21	1:26:A:SER:HB2	25	0.13
(3,1261)	1:67:A:THR:HG22	1:26:A:SER:HB2	25	0.13
(3,1261)	1:67:A:THR:HG23	1:26:A:SER:HB2	25	0.13
(3,1255)	1:41:A:THR:HG21	1:48:A:GLU:HB3	20	0.13
(3,1255)	1:41:A:THR:HG22	1:48:A:GLU:HB3	20	0.13
(3,1255)	1:41:A:THR:HG23	1:48:A:GLU:HB3	20	0.13
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	3	0.13
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	3	0.13
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	3	0.13
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	8	0.13
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	8	0.13
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	8	0.13
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	21	0.13
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	21	0.13
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	21	0.13
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	28	0.13
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	28	0.13
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	28	0.13
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	33	0.13
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	33	0.13
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	33	0.13
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	16	0.13
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	16	0.13
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	16	0.13
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	37	0.13
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	37	0.13
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	37	0.13
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	38	0.13
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	38	0.13
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	38	0.13
(3,1240)	1:13:A:THR:HG21	1:34:A:SER:HB3	5	0.13
(3,1240)	1:13:A:THR:HG22	1:34:A:SER:HB3	5	0.13
(3,1240)	1:13:A:THR:HG23	1:34:A:SER:HB3	5	0.13
(3,1240)	1:13:A:THR:HG21	1:34:A:SER:HB3	10	0.13
(3,1240)	1:13:A:THR:HG22	1:34:A:SER:HB3	10	0.13
(3,1240)	1:13:A:THR:HG23	1:34:A:SER:HB3	10	0.13
(3,1240)	1:13:A:THR:HG21	1:34:A:SER:HB3	13	0.13
(3,1240)	1:13:A:THR:HG22	1:34:A:SER:HB3	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1240)	1:13:A:THR:HG23	1:34:A:SER:HB3	13	0.13
(3,1240)	1:13:A:THR:HG21	1:34:A:SER:HB3	35	0.13
(3,1240)	1:13:A:THR:HG22	1:34:A:SER:HB3	35	0.13
(3,1240)	1:13:A:THR:HG23	1:34:A:SER:HB3	35	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	3	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	3	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	3	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	6	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	6	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	6	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	8	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	8	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	8	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	9	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	9	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	9	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	10	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	10	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	10	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	16	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	16	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	16	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	19	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	19	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	19	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	22	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	22	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	22	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	26	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	26	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	26	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	28	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	28	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	28	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	40	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	40	0.13
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	40	0.13
(3,1221)	1:69:A:HIS:H	1:56:A:ASN:H	3	0.13
(3,1221)	1:69:A:HIS:H	1:56:A:ASN:H	13	0.13
(3,1221)	1:69:A:HIS:H	1:56:A:ASN:H	16	0.13
(3,1217)	1:66:A:MET:H	1:28:A:THR:HA	16	0.13
(3,1212)	1:56:A:ASN:H	1:66:A:MET:HG2	23	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	2	0.13
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	31	0.13
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	33	0.13
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	38	0.13
(3,1178)	1:91:A:ALA:H	1:84:A:ARG:HA	13	0.13
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	21	0.13
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	33	0.13
(3,1126)	1:78:A:VAL:H	1:44:A:LYS:HE2	35	0.13
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	25	0.13
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	26	0.13
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	28	0.13
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	31	0.13
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	34	0.13
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	39	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	1	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	2	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	3	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	4	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	5	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	8	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	10	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	11	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	12	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	13	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	14	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	16	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	17	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	18	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	19	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	20	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	21	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	22	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	23	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	24	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	26	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	29	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	31	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	33	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	39	0.13
(3,1085)	1:99:A:GLY:H	1:99:A:GLY:HA2	40	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	1	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	3	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	4	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	8	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	12	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	13	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	19	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	21	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	22	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	23	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	24	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	27	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	30	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	32	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	33	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	36	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	37	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	38	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	39	0.13
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	40	0.13
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	2	0.13
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	5	0.13
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	10	0.13
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	16	0.13
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	19	0.13
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	21	0.13
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	28	0.13
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	34	0.13
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	36	0.13
(3,1003)	1:5:A:PHE:H	1:4:A:PRO:HA	17	0.13
(3,1003)	1:5:A:PHE:H	1:4:A:PRO:HA	31	0.13
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	1	0.13
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	1	0.13
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	1	0.13
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	13	0.13
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	13	0.13
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	13	0.13
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	36	0.13
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	36	0.13
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	36	0.13
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	39	0.13
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	39	0.13
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	39	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	20	0.13
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	29	0.13
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	33	0.13
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	34	0.13
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	1	0.13
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	3	0.13
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	5	0.13
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	6	0.13
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	7	0.13
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	8	0.13
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	9	0.13
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	12	0.13
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	13	0.13
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	21	0.13
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	24	0.13
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	27	0.13
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	38	0.13
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG21	9	0.13
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG22	9	0.13
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG23	9	0.13
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG21	15	0.13
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG22	15	0.13
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG23	15	0.13
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	8	0.13
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	10	0.13
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	17	0.13
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	21	0.13
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	24	0.13
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	32	0.13
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	33	0.13
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	35	0.13
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	36	0.13
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	1	0.13
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	11	0.13
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	23	0.13
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	25	0.13
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	30	0.13
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	33	0.13
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	1	0.13
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	1	0.13
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	1	0.13
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	23	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	23	0.13
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	23	0.13
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	27	0.13
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	27	0.13
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	27	0.13
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	40	0.13
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	40	0.13
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	40	0.13
(3,916)	1:37:A:ASP:H	1:37:A:ASP:HA	40	0.13
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	5	0.13
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	6	0.13
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	7	0.13
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	19	0.13
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	31	0.13
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	38	0.13
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	20	0.13
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	28	0.13
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	14	0.13
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	23	0.13
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	39	0.13
(3,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	16	0.13
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	21	0.13
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	21	0.13
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	21	0.13
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	24	0.13
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	24	0.13
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	24	0.13
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	25	0.13
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	25	0.13
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	25	0.13
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	28	0.13
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	28	0.13
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	28	0.13
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	29	0.13
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	29	0.13
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	29	0.13
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	12	0.13
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	16	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	3	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	3	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	3	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	6	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	6	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	7	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	7	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	7	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	8	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	8	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	8	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	11	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	11	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	11	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	12	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	12	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	12	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	13	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	13	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	13	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	14	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	14	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	14	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	16	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	16	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	16	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	17	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	17	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	17	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	19	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	19	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	19	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	21	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	21	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	21	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	23	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	23	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	23	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	24	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	24	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	24	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	25	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	25	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	25	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	29	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	29	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	29	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	30	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	30	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	30	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	33	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	33	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	33	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	34	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	34	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	34	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	36	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	36	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	36	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	37	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	37	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	37	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	38	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	38	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	38	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	40	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	40	0.13
(3,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	40	0.13
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	1	0.13
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	3	0.13
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	8	0.13
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	13	0.13
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	14	0.13
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	17	0.13
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	18	0.13
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	28	0.13
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	31	0.13
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	33	0.13
(3,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	3	0.13
(3,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	5	0.13
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	1	0.13
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	11	0.13
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	17	0.13
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	40	0.13
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	5	0.13
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	10	0.13
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	19	0.13
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	23	0.13
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	26	0.13
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	27	0.13
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	2	0.13
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	4	0.13
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	5	0.13
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	6	0.13
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	7	0.13
(3,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	6	0.13
(3,591)	1:3:A:ASP:H	1:3:A:ASP:HA	16	0.13
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	10	0.13
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	16	0.13
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	26	0.13
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	36	0.13
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	37	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	10	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	10	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	10	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	14	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	14	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	14	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	18	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	18	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	18	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	19	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	19	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	19	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	20	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	20	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	20	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	26	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	26	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	26	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	35	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	35	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	35	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	39	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	39	0.13
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	39	0.13
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	5	0.13
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	24	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	24	0.13
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	40	0.13
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	40	0.13
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	3	0.13
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	6	0.13
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	9	0.13
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	11	0.13
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	14	0.13
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	15	0.13
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	19	0.13
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	21	0.13
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	22	0.13
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	28	0.13
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	7	0.13
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	6	0.13
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	2	0.13
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	10	0.13
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	18	0.13
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	20	0.13
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	22	0.13
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	38	0.13
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	4	0.13
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	10	0.13
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	15	0.13
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	16	0.13
(3,419)	1:69:A:HIS:H	1:54:A:LYS:HA	6	0.13
(3,419)	1:69:A:HIS:H	1:54:A:LYS:HA	18	0.13
(3,410)	1:96:A:GLU:H	1:18:A:ASN:HD21	33	0.13
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD21	23	0.13
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD22	23	0.13
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD23	23	0.13
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD21	27	0.13
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD22	27	0.13
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD23	27	0.13
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	9	0.13
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	10	0.13
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	6	0.13
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	6	0.13
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	6	0.13
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	12	0.13
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	12	0.13
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	13	0.13
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	13	0.13
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	13	0.13
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	29	0.13
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	29	0.13
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	29	0.13
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	39	0.13
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	39	0.13
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	39	0.13
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	6	0.13
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	6	0.13
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	6	0.13
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	17	0.13
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	17	0.13
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	17	0.13
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	20	0.13
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	20	0.13
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	20	0.13
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	31	0.13
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	31	0.13
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	31	0.13
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	9	0.13
(3,368)	1:18:A:ASN:H	1:17:A:GLN:HB3	28	0.13
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	3	0.13
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	3	0.13
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	4	0.13
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	4	0.13
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	36	0.13
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	36	0.13
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	2	0.13
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	18	0.13
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	19	0.13
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	33	0.13
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	16	0.13
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	16	0.13
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	16	0.13
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	29	0.13
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	29	0.13
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	29	0.13
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	40	0.13
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	40	0.13
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	40	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	12	0.13
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	13	0.13
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	15	0.13
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	22	0.13
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	24	0.13
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	28	0.13
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	36	0.13
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	7	0.13
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	7	0.13
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	8	0.13
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	8	0.13
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	7	0.13
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	22	0.13
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	23	0.13
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	29	0.13
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	31	0.13
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	32	0.13
(3,113)	1:63:A:CYS:H	1:60:A:ASP:H	19	0.13
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	4	0.13
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	6	0.13
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	7	0.13
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	17	0.13
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	19	0.13
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	28	0.13
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	34	0.13
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	35	0.13
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	36	0.13
(3,50)	1:57:A:PHE:H	1:57:A:PHE:HB3	39	0.13
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	22	0.13
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	23	0.13
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	24	0.13
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	28	0.13
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	30	0.13
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	34	0.13
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	35	0.13
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	36	0.13
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	38	0.13
(3,25)	1:89:A:GLY:H	1:88:A:ARG:HB3	8	0.13
(1,3211)	1:69:A:HIS:HE1	1:67:A:THR:HB	14	0.13
(1,3211)	1:69:A:HIS:HE1	1:67:A:THR:HB	21	0.13
(1,3211)	1:69:A:HIS:HE1	1:67:A:THR:HB	29	0.13
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	2	0.13
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	12	0.13
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	12	0.13
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	21	0.13
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	21	0.13
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	32	0.13
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	32	0.13
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	33	0.13
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	33	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	8	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	8	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	8	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	8	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	8	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	8	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	13	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	13	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	13	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	13	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	13	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	13	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	18	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	18	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	18	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	18	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	18	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	18	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	23	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	23	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	23	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	23	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	23	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	23	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	37	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	37	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	37	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	37	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	37	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	37	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	38	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	38	0.13
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	38	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	38	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	38	0.13
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	38	0.13
(1,3197)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	17	0.13
(1,3197)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	27	0.13
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	2	0.13
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	2	0.13
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	2	0.13
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	2	0.13
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	15	0.13
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	15	0.13
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	15	0.13
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	15	0.13
(1,3185)	1:43:A:TYR:HD1	1:44:A:LYS:H	28	0.13
(1,3185)	1:43:A:TYR:HD2	1:44:A:LYS:H	28	0.13
(1,3185)	1:43:A:TYR:HD1	1:44:A:LYS:H	29	0.13
(1,3185)	1:43:A:TYR:HD2	1:44:A:LYS:H	29	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	6	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	6	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	6	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	8	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	8	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	8	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	12	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	12	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	12	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	13	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	13	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	13	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	40	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	40	0.13
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	40	0.13
(1,3169)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	21	0.13
(1,3169)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	22	0.13
(1,3169)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	23	0.13
(1,3169)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	24	0.13
(1,3169)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	25	0.13
(1,3169)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	30	0.13
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	3	0.13
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	3	0.13
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	17	0.13
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	29	0.13
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	29	0.13
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	37	0.13
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	37	0.13
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	31	0.13
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	31	0.13
(1,3133)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	2	0.13
(1,3133)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	2	0.13
(1,3133)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	24	0.13
(1,3133)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	24	0.13
(1,3133)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	38	0.13
(1,3133)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	38	0.13
(1,3132)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	24	0.13
(1,3132)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	24	0.13
(1,3132)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	33	0.13
(1,3132)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	33	0.13
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	4	0.13
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	4	0.13
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	11	0.13
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	11	0.13
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	35	0.13
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	35	0.13
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	6	0.13
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	6	0.13
(1,3126)	1:55:A:TYR:HD1	1:51:A:GLU:HA	35	0.13
(1,3126)	1:55:A:TYR:HD2	1:51:A:GLU:HA	35	0.13
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	6	0.13
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	6	0.13
(1,3125)	1:55:A:TYR:HD1	1:51:A:GLU:HA	35	0.13
(1,3125)	1:55:A:TYR:HD2	1:51:A:GLU:HA	35	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	7	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	7	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	7	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	7	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	7	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	7	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	10	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	10	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	10	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	10	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	10	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	12	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	12	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	12	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	12	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	12	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	12	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	16	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	16	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	16	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	16	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	16	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	16	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	18	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	18	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	18	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	18	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	18	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	18	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	19	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	19	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	19	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	19	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	19	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	19	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	24	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	24	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	24	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	24	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	24	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	24	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	40	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	40	0.13
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	40	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	40	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	40	0.13
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	40	0.13
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	4	0.13
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	4	0.13
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	4	0.13
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	4	0.13
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	4	0.13
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	22	0.13
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	22	0.13
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	22	0.13
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	22	0.13
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	22	0.13
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	22	0.13
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	31	0.13
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	31	0.13
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	31	0.13
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	31	0.13
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	31	0.13
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	31	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	3	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	3	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	3	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	3	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	9	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	9	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	9	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	9	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	10	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	10	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	10	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	10	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	12	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	12	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	12	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	12	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	14	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	14	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	14	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	14	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	21	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	21	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	21	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	21	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	23	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	23	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	23	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	23	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	27	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	27	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	27	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	27	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	28	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	28	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	28	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	28	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	36	0.13
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	36	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	36	0.13
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	36	0.13
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	14	0.13
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	14	0.13
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	14	0.13
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	14	0.13
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	14	0.13
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	14	0.13
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	22	0.13
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	22	0.13
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	22	0.13
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	22	0.13
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	22	0.13
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	22	0.13
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	25	0.13
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	25	0.13
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	25	0.13
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	25	0.13
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	25	0.13
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	25	0.13
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	27	0.13
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	27	0.13
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	27	0.13
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	27	0.13
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	27	0.13
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	27	0.13
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	32	0.13
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	32	0.13
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	32	0.13
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	32	0.13
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	32	0.13
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	32	0.13
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	35	0.13
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	35	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	35	0.13
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	35	0.13
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	35	0.13
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	35	0.13
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	36	0.13
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	36	0.13
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	36	0.13
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	36	0.13
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	36	0.13
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	36	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	6	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	6	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	6	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	16	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	16	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	16	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	19	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	19	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	19	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	26	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	26	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	26	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	28	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	28	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	28	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	33	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	33	0.13
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	33	0.13
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	29	0.13
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	29	0.13
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	38	0.13
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	38	0.13
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	14	0.13
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	14	0.13
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	25	0.13
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	25	0.13
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	34	0.13
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	34	0.13
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	38	0.13
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	38	0.13
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	40	0.13
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	40	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	13	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	13	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	13	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	18	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	18	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	18	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	25	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	25	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	25	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	27	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	27	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	27	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	30	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	30	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	30	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	34	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	34	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	34	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	36	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	36	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	36	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	37	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	37	0.13
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	37	0.13
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	10	0.13
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	21	0.13
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	38	0.13
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	39	0.13
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	6	0.13
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	6	0.13
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	6	0.13
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	39	0.13
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	39	0.13
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	39	0.13
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	3	0.13
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	12	0.13
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	19	0.13
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	21	0.13
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	24	0.13
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	33	0.13
(1,2967)	1:44:A:LYS:HE3	1:44:A:LYS:HD2	2	0.13
(1,2967)	1:44:A:LYS:HE3	1:44:A:LYS:HD2	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	2	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	3	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	4	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	5	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	6	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	7	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	8	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	10	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	12	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	13	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	14	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	18	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	19	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	20	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	21	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	23	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	24	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	26	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	27	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	28	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	29	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	30	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	32	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	33	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	34	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	35	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	36	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	39	0.13
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	40	0.13
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	1	0.13
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	4	0.13
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	5	0.13
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	7	0.13
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	8	0.13
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	10	0.13
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	13	0.13
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	14	0.13
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	17	0.13
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	21	0.13
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	23	0.13
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	28	0.13
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	33	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	34	0.13
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	37	0.13
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	39	0.13
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	3	0.13
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	3	0.13
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	17	0.13
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	17	0.13
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	29	0.13
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	29	0.13
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	37	0.13
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	37	0.13
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	4	0.13
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	8	0.13
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	31	0.13
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	36	0.13
(1,2929)	1:17:A:GLN:HG2	1:17:A:GLN:H	28	0.13
(1,2929)	1:17:A:GLN:HG2	1:17:A:GLN:H	29	0.13
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	4	0.13
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	7	0.13
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	10	0.13
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	11	0.13
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	12	0.13
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	17	0.13
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	21	0.13
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	36	0.13
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	38	0.13
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	7	0.13
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	20	0.13
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	21	0.13
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	24	0.13
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	25	0.13
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	28	0.13
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	30	0.13
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	32	0.13
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	38	0.13
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	5	0.13
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	10	0.13
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	11	0.13
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	19	0.13
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	23	0.13
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	26	0.13
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	27	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	1	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	3	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	5	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	7	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	8	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	9	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	10	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	12	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	13	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	14	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	15	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	16	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	17	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	18	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	19	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	20	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	21	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	22	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	23	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	24	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	25	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	26	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	27	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	28	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	30	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	32	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	35	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	36	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	37	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	38	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	39	0.13
(1,2767)	1:100:A:GLU:HB2	1:100:A:GLU:HB3	40	0.13
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	11	0.13
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	14	0.13
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	31	0.13
(1,2745)	1:86:A:GLU:HG2	1:86:A:GLU:H	12	0.13
(1,2745)	1:86:A:GLU:HG3	1:86:A:GLU:H	12	0.13
(1,2745)	1:86:A:GLU:HG2	1:86:A:GLU:H	28	0.13
(1,2745)	1:86:A:GLU:HG3	1:86:A:GLU:H	28	0.13
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	9	0.13
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	7	0.13
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	4	0.13
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	14	0.13
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	33	0.13
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	13	0.13
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	14	0.13
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	17	0.13
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	21	0.13
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	22	0.13
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	24	0.13
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	28	0.13
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	35	0.13
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	38	0.13
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	39	0.13
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	40	0.13
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	4	0.13
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	13	0.13
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	19	0.13
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	22	0.13
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	20	0.13
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	20	0.13
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	20	0.13
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	9	0.13
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	21	0.13
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	24	0.13
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	25	0.13
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	36	0.13
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	39	0.13
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	29	0.13
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	2	0.13
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	8	0.13
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	12	0.13
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	17	0.13
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	20	0.13
(1,2537)	1:73:A:PRO:HG3	1:73:A:PRO:HA	27	0.13
(1,2537)	1:73:A:PRO:HG3	1:73:A:PRO:HA	29	0.13
(1,2537)	1:73:A:PRO:HG3	1:73:A:PRO:HA	34	0.13
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	31	0.13
(1,2487)	1:9:A:PRO:HD2	1:9:A:PRO:HA	28	0.13
(1,2479)	1:9:A:PRO:HD2	1:8:A:GLU:HA	13	0.13
(1,2479)	1:9:A:PRO:HD2	1:8:A:GLU:HA	15	0.13
(1,2460)	1:4:A:PRO:HD3	1:3:A:ASP:HA	16	0.13
(1,2460)	1:4:A:PRO:HD3	1:3:A:ASP:HA	26	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	8	0.13
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	32	0.13
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	40	0.13
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	6	0.13
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	18	0.13
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	20	0.13
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	23	0.13
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	22	0.13
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	29	0.13
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	7	0.13
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	7	0.13
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	7	0.13
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	10	0.13
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	10	0.13
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	10	0.13
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	39	0.13
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	39	0.13
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	39	0.13
(1,2339)	1:26:A:SER:HB3	1:27:A:ALA:H	4	0.13
(1,2339)	1:26:A:SER:HB3	1:27:A:ALA:H	25	0.13
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG21	31	0.13
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG22	31	0.13
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG23	31	0.13
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	2	0.13
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	3	0.13
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	6	0.13
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	9	0.13
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	14	0.13
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	19	0.13
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	25	0.13
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	31	0.13
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	33	0.13
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	35	0.13
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	37	0.13
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	2	0.13
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	2	0.13
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	2	0.13
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	17	0.13
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	17	0.13
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	17	0.13
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	21	0.13
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	21	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	21	0.13
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	23	0.13
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	23	0.13
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	23	0.13
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	38	0.13
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	38	0.13
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	38	0.13
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	27	0.13
(1,2250)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	27	0.13
(1,2237)	1:18:A:ASN:HB2	1:18:A:ASN:H	6	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	1	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	2	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	3	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	4	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	5	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	6	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	7	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	8	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	9	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	10	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	11	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	12	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	13	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	14	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	15	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	17	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	18	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	19	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	20	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	21	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	22	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	23	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	24	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	25	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	26	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	27	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	28	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	29	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	30	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	31	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	32	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	34	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	35	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	36	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	37	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	38	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	39	0.13
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	40	0.13
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	2	0.13
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	30	0.13
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	35	0.13
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	38	0.13
(1,2136)	1:67:A:THR:HB	1:56:A:ASN:HB2	19	0.13
(1,2099)	1:40:A:VAL:HG21	1:83:A:ALA:HA	37	0.13
(1,2099)	1:40:A:VAL:HG22	1:83:A:ALA:HA	37	0.13
(1,2099)	1:40:A:VAL:HG23	1:83:A:ALA:HA	37	0.13
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	9	0.13
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	9	0.13
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	9	0.13
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	20	0.13
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	20	0.13
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	20	0.13
(1,2093)	1:88:A:ARG:HD3	1:7:A:ALA:HA	23	0.13
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	20	0.13
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	20	0.13
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	20	0.13
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	20	0.13
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	20	0.13
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	20	0.13
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	32	0.13
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	32	0.13
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	32	0.13
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	32	0.13
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	32	0.13
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	32	0.13
(1,2076)	1:97:A:LEU:HD11	1:21:A:VAL:HB	7	0.13
(1,2076)	1:97:A:LEU:HD12	1:21:A:VAL:HB	7	0.13
(1,2076)	1:97:A:LEU:HD13	1:21:A:VAL:HB	7	0.13
(1,2076)	1:97:A:LEU:HD11	1:21:A:VAL:HB	34	0.13
(1,2076)	1:97:A:LEU:HD12	1:21:A:VAL:HB	34	0.13
(1,2076)	1:97:A:LEU:HD13	1:21:A:VAL:HB	34	0.13
(1,2068)	1:94:A:THR:HG21	1:93:A:SER:HA	17	0.13
(1,2068)	1:94:A:THR:HG22	1:93:A:SER:HA	17	0.13
(1,2068)	1:94:A:THR:HG23	1:93:A:SER:HA	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	1	0.13
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	1	0.13
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	1	0.13
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	1	0.13
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	1	0.13
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	1	0.13
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	1	0.13
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	1	0.13
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	1	0.13
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	10	0.13
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	10	0.13
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	10	0.13
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	10	0.13
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	10	0.13
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	10	0.13
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	10	0.13
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	10	0.13
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	10	0.13
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	7	0.13
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	7	0.13
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	7	0.13
(1,2064)	1:85:A:LEU:HD11	1:88:A:ARG:HG3	18	0.13
(1,2064)	1:85:A:LEU:HD12	1:88:A:ARG:HG3	18	0.13
(1,2064)	1:85:A:LEU:HD13	1:88:A:ARG:HG3	18	0.13
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	34	0.13
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	34	0.13
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	34	0.13
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	34	0.13
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	34	0.13
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	34	0.13
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	34	0.13
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	34	0.13
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	34	0.13
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	10	0.13
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	10	0.13
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	10	0.13
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	10	0.13
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	10	0.13
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	10	0.13
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	20	0.13
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	20	0.13
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	1	0.13
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	1	0.13
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	1	0.13
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	12	0.13
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	12	0.13
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	12	0.13
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	30	0.13
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	30	0.13
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	30	0.13
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	35	0.13
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	35	0.13
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	18	0.13
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	18	0.13
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	18	0.13
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	18	0.13
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	18	0.13
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	18	0.13
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	18	0.13
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	18	0.13
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	18	0.13
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	28	0.13
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	28	0.13
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	28	0.13
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	28	0.13
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	28	0.13
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	28	0.13
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	28	0.13
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	28	0.13
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	28	0.13
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	2	0.13
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	18	0.13
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	19	0.13
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	33	0.13
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	3	0.13
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	3	0.13
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	3	0.13
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	15	0.13
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	15	0.13
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	15	0.13
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	28	0.13
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	28	0.13
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	28	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	29	0.13
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	29	0.13
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	29	0.13
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	39	0.13
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	39	0.13
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	39	0.13
(1,1994)	1:21:A:VAL:HG11	1:25:A:GLN:HG3	27	0.13
(1,1994)	1:21:A:VAL:HG12	1:25:A:GLN:HG3	27	0.13
(1,1994)	1:21:A:VAL:HG13	1:25:A:GLN:HG3	27	0.13
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	3	0.13
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	3	0.13
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	3	0.13
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	11	0.13
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	11	0.13
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	11	0.13
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	21	0.13
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	21	0.13
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	21	0.13
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	23	0.13
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	23	0.13
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	23	0.13
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	25	0.13
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	25	0.13
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	25	0.13
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	26	0.13
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	26	0.13
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	26	0.13
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	34	0.13
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	34	0.13
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	34	0.13
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	36	0.13
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	36	0.13
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	36	0.13
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	11	0.13
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	29	0.13
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	7	0.13
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	7	0.13
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	7	0.13
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	13	0.13
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	13	0.13
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	13	0.13
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	20	0.13
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	20	0.13
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	21	0.13
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	21	0.13
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	21	0.13
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	23	0.13
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	23	0.13
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	23	0.13
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	25	0.13
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	25	0.13
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	25	0.13
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	35	0.13
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	35	0.13
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	35	0.13
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	36	0.13
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	36	0.13
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	36	0.13
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	38	0.13
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	38	0.13
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	38	0.13
(1,1903)	1:66:A:MET:HE1	1:79:A:TYR:HA	10	0.13
(1,1903)	1:66:A:MET:HE2	1:79:A:TYR:HA	10	0.13
(1,1903)	1:66:A:MET:HE3	1:79:A:TYR:HA	10	0.13
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	3	0.13
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	3	0.13
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	3	0.13
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	35	0.13
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	35	0.13
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	35	0.13
(1,1896)	1:47:A:THR:HG21	1:44:A:LYS:HB3	26	0.13
(1,1896)	1:47:A:THR:HG22	1:44:A:LYS:HB3	26	0.13
(1,1896)	1:47:A:THR:HG23	1:44:A:LYS:HB3	26	0.13
(1,1861)	1:7:A:ALA:HB1	1:88:A:ARG:HA	13	0.13
(1,1861)	1:7:A:ALA:HB2	1:88:A:ARG:HA	13	0.13
(1,1861)	1:7:A:ALA:HB3	1:88:A:ARG:HA	13	0.13
(1,1861)	1:7:A:ALA:HB1	1:88:A:ARG:HA	19	0.13
(1,1861)	1:7:A:ALA:HB2	1:88:A:ARG:HA	19	0.13
(1,1861)	1:7:A:ALA:HB3	1:88:A:ARG:HA	19	0.13
(1,1861)	1:7:A:ALA:HB1	1:88:A:ARG:HA	30	0.13
(1,1861)	1:7:A:ALA:HB2	1:88:A:ARG:HA	30	0.13
(1,1861)	1:7:A:ALA:HB3	1:88:A:ARG:HA	30	0.13
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	6	0.13
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	6	0.13
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	15	0.13
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	15	0.13
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	15	0.13
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	2	0.13
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	6	0.13
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	8	0.13
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	11	0.13
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	16	0.13
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	18	0.13
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	26	0.13
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	27	0.13
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	28	0.13
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	33	0.13
(1,1811)	1:98:A:LYS:HD2	1:98:A:LYS:HG2	37	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	2	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	3	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	4	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	5	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	6	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	7	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	8	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	10	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	12	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	13	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	14	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	18	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	19	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	20	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	21	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	23	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	24	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	26	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	27	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	28	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	29	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	30	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	32	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	33	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	34	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	35	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	36	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	39	0.13
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	40	0.13
(1,1725)	1:38:A:ALA:HB1	1:83:A:ALA:HA	34	0.13
(1,1725)	1:38:A:ALA:HB2	1:83:A:ALA:HA	34	0.13
(1,1725)	1:38:A:ALA:HB3	1:83:A:ALA:HA	34	0.13
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	26	0.13
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	26	0.13
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	26	0.13
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	26	0.13
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	26	0.13
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	26	0.13
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	26	0.13
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	26	0.13
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	26	0.13
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	32	0.13
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	32	0.13
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	32	0.13
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	32	0.13
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	32	0.13
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	32	0.13
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	32	0.13
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	32	0.13
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	32	0.13
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	9	0.13
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	9	0.13
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	9	0.13
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	11	0.13
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	11	0.13
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	11	0.13
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	16	0.13
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	16	0.13
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	16	0.13
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	17	0.13
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	17	0.13
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	17	0.13
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	18	0.13
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	18	0.13
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	18	0.13
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	9	0.13
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	9	0.13
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	9	0.13
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	9	0.13
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	9	0.13
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	9	0.13
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	9	0.13
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	9	0.13
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	31	0.13
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	31	0.13
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	31	0.13
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	31	0.13
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	31	0.13
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	31	0.13
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	31	0.13
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	31	0.13
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	31	0.13
(1,1679)	1:85:A:LEU:HD11	1:35:A:PHE:HD1	16	0.13
(1,1679)	1:85:A:LEU:HD11	1:35:A:PHE:HD2	16	0.13
(1,1679)	1:85:A:LEU:HD12	1:35:A:PHE:HD1	16	0.13
(1,1679)	1:85:A:LEU:HD12	1:35:A:PHE:HD2	16	0.13
(1,1679)	1:85:A:LEU:HD13	1:35:A:PHE:HD1	16	0.13
(1,1679)	1:85:A:LEU:HD13	1:35:A:PHE:HD2	16	0.13
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	11	0.13
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	11	0.13
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	11	0.13
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	11	0.13
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	11	0.13
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	11	0.13
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	11	0.13
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	11	0.13
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	11	0.13
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	1	0.13
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	1	0.13
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	1	0.13
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	1	0.13
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	1	0.13
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	1	0.13
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	1	0.13
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	1	0.13
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	1	0.13
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	35	0.13
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	35	0.13
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	35	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	35	0.13
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	35	0.13
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	35	0.13
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	35	0.13
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	35	0.13
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	35	0.13
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	4	0.13
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	4	0.13
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	4	0.13
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	6	0.13
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	6	0.13
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	6	0.13
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	9	0.13
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	9	0.13
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	9	0.13
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	10	0.13
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	10	0.13
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	10	0.13
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	16	0.13
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	16	0.13
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	16	0.13
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	17	0.13
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	17	0.13
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	17	0.13
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	15	0.13
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	15	0.13
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	15	0.13
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	19	0.13
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	19	0.13
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	19	0.13
(1,1623)	1:82:A:ILE:HG21	1:84:A:ARG:HG2	6	0.13
(1,1623)	1:82:A:ILE:HG22	1:84:A:ARG:HG2	6	0.13
(1,1623)	1:82:A:ILE:HG23	1:84:A:ARG:HG2	6	0.13
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	2	0.13
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	2	0.13
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	2	0.13
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	35	0.13
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	35	0.13
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	35	0.13
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	7	0.13
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	7	0.13
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	7	0.13
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	7	0.13
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	7	0.13
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	10	0.13
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	10	0.13
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	10	0.13
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	10	0.13
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	10	0.13
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	10	0.13
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	12	0.13
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	12	0.13
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	12	0.13
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	12	0.13
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	12	0.13
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	12	0.13
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	16	0.13
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	16	0.13
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	16	0.13
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	16	0.13
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	16	0.13
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	16	0.13
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	18	0.13
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	18	0.13
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	18	0.13
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	18	0.13
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	18	0.13
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	18	0.13
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	19	0.13
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	19	0.13
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	19	0.13
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	19	0.13
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	19	0.13
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	19	0.13
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	24	0.13
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	24	0.13
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	24	0.13
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	24	0.13
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	24	0.13
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	24	0.13
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	40	0.13
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	40	0.13
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	40	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	40	0.13
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	40	0.13
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	40	0.13
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	8	0.13
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	8	0.13
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	8	0.13
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	8	0.13
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	8	0.13
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	8	0.13
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	12	0.13
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	12	0.13
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	12	0.13
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	12	0.13
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	12	0.13
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	12	0.13
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	18	0.13
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	18	0.13
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	18	0.13
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	18	0.13
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	18	0.13
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	18	0.13
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	21	0.13
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	21	0.13
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	21	0.13
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	21	0.13
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	21	0.13
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	21	0.13
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	23	0.13
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	23	0.13
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	23	0.13
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	23	0.13
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	23	0.13
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	23	0.13
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	33	0.13
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	33	0.13
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	33	0.13
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	33	0.13
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	33	0.13
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	33	0.13
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	40	0.13
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	40	0.13
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	40	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	40	0.13
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	40	0.13
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	40	0.13
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	15	0.13
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	15	0.13
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	15	0.13
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	18	0.13
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	18	0.13
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	18	0.13
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG21	24	0.13
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG22	24	0.13
(1,1590)	1:68:A:ILE:HB	1:71:A:VAL:HG23	24	0.13
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	23	0.13
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	23	0.13
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	23	0.13
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	31	0.13
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	31	0.13
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	31	0.13
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	40	0.13
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	40	0.13
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	40	0.13
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	1	0.13
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	1	0.13
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	1	0.13
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	8	0.13
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	8	0.13
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	8	0.13
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	13	0.13
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	13	0.13
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	13	0.13
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	14	0.13
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	14	0.13
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	14	0.13
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	15	0.13
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	15	0.13
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	15	0.13
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	21	0.13
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	21	0.13
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	21	0.13
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	22	0.13
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	22	0.13
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	22	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	27	0.13
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	27	0.13
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	27	0.13
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	28	0.13
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	28	0.13
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	28	0.13
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	35	0.13
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	35	0.13
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	35	0.13
(1,1538)	1:39:A:ILE:HG21	1:39:A:ILE:H	40	0.13
(1,1538)	1:39:A:ILE:HG22	1:39:A:ILE:H	40	0.13
(1,1538)	1:39:A:ILE:HG23	1:39:A:ILE:H	40	0.13
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	10	0.13
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	10	0.13
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	10	0.13
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	12	0.13
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	12	0.13
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	12	0.13
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	21	0.13
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	21	0.13
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	21	0.13
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	24	0.13
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	24	0.13
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	24	0.13
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	27	0.13
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	27	0.13
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	27	0.13
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	28	0.13
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	28	0.13
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	28	0.13
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	8	0.13
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	8	0.13
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	8	0.13
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	11	0.13
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	11	0.13
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	11	0.13
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	38	0.13
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	38	0.13
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	38	0.13
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	6	0.13
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	6	0.13
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	8	0.13
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	8	0.13
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	8	0.13
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	12	0.13
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	12	0.13
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	12	0.13
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	13	0.13
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	13	0.13
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	13	0.13
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	40	0.13
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	40	0.13
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	40	0.13
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	2	0.13
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	2	0.13
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	2	0.13
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	2	0.13
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	2	0.13
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	2	0.13
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	10	0.13
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	10	0.13
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	10	0.13
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	10	0.13
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	10	0.13
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	10	0.13
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	18	0.13
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	18	0.13
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	18	0.13
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	18	0.13
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	18	0.13
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	18	0.13
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	24	0.13
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	24	0.13
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	24	0.13
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	24	0.13
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	24	0.13
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	24	0.13
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	28	0.13
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	28	0.13
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	28	0.13
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	28	0.13
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	28	0.13
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	28	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	4	0.13
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	4	0.13
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	4	0.13
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	14	0.13
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	14	0.13
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	14	0.13
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	17	0.13
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	17	0.13
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	17	0.13
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	8	0.13
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	8	0.13
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	8	0.13
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	17	0.13
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	17	0.13
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	17	0.13
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	36	0.13
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	36	0.13
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	36	0.13
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD11	3	0.13
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD12	3	0.13
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD13	3	0.13
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD11	3	0.13
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD12	3	0.13
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD13	3	0.13
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD11	3	0.13
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD12	3	0.13
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD13	3	0.13
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	14	0.13
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	14	0.13
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	14	0.13
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	14	0.13
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	14	0.13
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	14	0.13
(1,1492)	1:81:A:VAL:HG11	1:92:A:ARG:HA	18	0.13
(1,1492)	1:81:A:VAL:HG12	1:92:A:ARG:HA	18	0.13
(1,1492)	1:81:A:VAL:HG13	1:92:A:ARG:HA	18	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	3	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	3	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	3	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	6	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	6	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	7	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	7	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	7	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	8	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	8	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	8	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	11	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	11	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	11	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	12	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	12	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	12	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	13	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	13	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	13	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	14	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	14	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	14	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	16	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	16	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	16	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	17	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	17	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	17	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	19	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	19	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	19	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	21	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	21	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	21	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	23	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	23	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	23	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	24	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	24	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	24	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	25	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	25	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	25	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	29	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	29	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	29	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	30	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	30	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	30	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	33	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	33	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	33	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	34	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	34	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	34	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	36	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	36	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	36	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	37	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	37	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	37	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	38	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	38	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	38	0.13
(1,1476)	1:78:A:VAL:HG11	1:78:A:VAL:H	40	0.13
(1,1476)	1:78:A:VAL:HG12	1:78:A:VAL:H	40	0.13
(1,1476)	1:78:A:VAL:HG13	1:78:A:VAL:H	40	0.13
(1,1408)	1:20:A:VAL:HG11	1:100:A:GLU:HA	5	0.13
(1,1408)	1:20:A:VAL:HG12	1:100:A:GLU:HA	5	0.13
(1,1408)	1:20:A:VAL:HG13	1:100:A:GLU:HA	5	0.13
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	6	0.13
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	6	0.13
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	6	0.13
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	17	0.13
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	17	0.13
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	17	0.13
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	20	0.13
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	20	0.13
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	20	0.13
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	31	0.13
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	31	0.13
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	31	0.13
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	3	0.13
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	3	0.13
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	3	0.13
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	13	0.13
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	13	0.13
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	19	0.13
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	19	0.13
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	19	0.13
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	40	0.13
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	40	0.13
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	40	0.13
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	7	0.13
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	7	0.13
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	7	0.13
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	10	0.13
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	10	0.13
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	10	0.13
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	11	0.13
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	11	0.13
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	11	0.13
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	13	0.13
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	13	0.13
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	13	0.13
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	15	0.13
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	15	0.13
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	15	0.13
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	17	0.13
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	17	0.13
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	17	0.13
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	24	0.13
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	24	0.13
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	24	0.13
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	26	0.13
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	26	0.13
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	26	0.13
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	28	0.13
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	28	0.13
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	28	0.13
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	33	0.13
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	33	0.13
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	33	0.13
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	34	0.13
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	34	0.13
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	34	0.13
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	38	0.13
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	38	0.13
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	38	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	4	0.13
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	4	0.13
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	4	0.13
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	21	0.13
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	21	0.13
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	21	0.13
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	30	0.13
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	30	0.13
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	30	0.13
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	31	0.13
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	31	0.13
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	31	0.13
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	39	0.13
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	39	0.13
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	39	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	6	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	6	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	6	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	6	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	6	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	6	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	6	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	6	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	6	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	25	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	25	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	25	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	25	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	25	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	25	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	25	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	25	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	25	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	33	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	33	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	33	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	33	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	33	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	33	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	33	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	33	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	33	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	34	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	34	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	34	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	34	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	34	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	34	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	34	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	34	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	34	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	35	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	35	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	35	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	35	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	35	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	35	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	35	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	35	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	35	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	39	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	39	0.13
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	39	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	39	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	39	0.13
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	39	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	39	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	39	0.13
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	39	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	6	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	6	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	6	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	6	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	6	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	6	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	6	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	6	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	6	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	25	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	25	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	25	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	25	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	25	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	25	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	25	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	25	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	25	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	33	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	33	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	33	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	33	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	33	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	33	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	33	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	33	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	33	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	34	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	34	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	34	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	34	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	34	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	34	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	34	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	34	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	34	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	35	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	35	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	35	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	35	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	35	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	35	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	35	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	35	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	35	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	39	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	39	0.13
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	39	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	39	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	39	0.13
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	39	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	39	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	39	0.13
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	39	0.13
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	9	0.13
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	12	0.13
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	29	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	34	0.13
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	39	0.13
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	12	0.13
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	12	0.13
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	12	0.13
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	29	0.13
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	29	0.13
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	29	0.13
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	1	0.13
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	1	0.13
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	1	0.13
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	28	0.13
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	28	0.13
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	28	0.13
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	1	0.13
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	3	0.13
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	5	0.13
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	6	0.13
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	7	0.13
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	8	0.13
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	9	0.13
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	12	0.13
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	13	0.13
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	21	0.13
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	24	0.13
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	27	0.13
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	38	0.13
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	4	0.13
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	28	0.13
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	28	0.13
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	28	0.13
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	29	0.13
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	29	0.13
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	29	0.13
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	18	0.13
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	18	0.13
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	18	0.13
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	18	0.13
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	18	0.13
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	18	0.13
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	18	0.13
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	18	0.13
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	28	0.13
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	28	0.13
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	28	0.13
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	28	0.13
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	28	0.13
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	28	0.13
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	28	0.13
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	28	0.13
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	28	0.13
(1,1289)	1:40:A:VAL:HG21	1:42:A:TRP:HE1	1	0.13
(1,1289)	1:40:A:VAL:HG22	1:42:A:TRP:HE1	1	0.13
(1,1289)	1:40:A:VAL:HG23	1:42:A:TRP:HE1	1	0.13
(1,1289)	1:40:A:VAL:HG21	1:42:A:TRP:HE1	37	0.13
(1,1289)	1:40:A:VAL:HG22	1:42:A:TRP:HE1	37	0.13
(1,1289)	1:40:A:VAL:HG23	1:42:A:TRP:HE1	37	0.13
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	28	0.13
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	28	0.13
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	28	0.13
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	29	0.13
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	29	0.13
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	29	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	1	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	2	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	3	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	4	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	5	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	6	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	7	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	8	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	9	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	10	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	11	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	12	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	13	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	14	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	15	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	17	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	18	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	19	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	20	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	21	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	22	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	23	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	24	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	25	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	26	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	27	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	28	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	29	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	30	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	31	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	32	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	34	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	35	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	36	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	37	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	38	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	39	0.13
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	40	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	1	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	2	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	3	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	4	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	5	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	6	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	7	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	8	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	9	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	10	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	11	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	12	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	13	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	14	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	15	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	17	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	18	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	19	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	20	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	21	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	22	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	23	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	24	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	25	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	26	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	27	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	28	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	29	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	30	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	31	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	32	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	34	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	35	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	36	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	37	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	38	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	39	0.13
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	40	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	21	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	21	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	21	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	21	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	21	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	21	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	21	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	21	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	21	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	24	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	24	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	24	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	24	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	24	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	24	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	24	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	24	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	24	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	29	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	29	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	29	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	29	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	29	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	29	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	29	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	29	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	29	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	32	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	32	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	32	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	32	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	32	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	32	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	32	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	32	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	32	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	35	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	35	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	35	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	35	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	35	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	35	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	35	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	35	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	35	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	37	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	37	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	37	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	37	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	37	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	37	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	37	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	37	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	37	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	38	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	38	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	38	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	38	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	38	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	38	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	38	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	38	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	38	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	39	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	39	0.13
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	39	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	39	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	39	0.13
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	39	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	39	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	39	0.13
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	39	0.13
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	16	0.13
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	16	0.13
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	16	0.13
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	29	0.13
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	29	0.13
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	29	0.13
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	40	0.13
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	40	0.13
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	40	0.13
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	16	0.13
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	16	0.13
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	16	0.13
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	29	0.13
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	29	0.13
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	29	0.13
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	40	0.13
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	40	0.13
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	40	0.13
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	2	0.13
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	2	0.13
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	2	0.13
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	3	0.13
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	3	0.13
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	3	0.13
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	12	0.13
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	12	0.13
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	12	0.13
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	20	0.13
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	20	0.13
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	20	0.13
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	21	0.13
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	21	0.13
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	21	0.13
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	23	0.13
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	23	0.13
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	23	0.13
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	24	0.13
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	24	0.13
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	24	0.13
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	25	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	25	0.13
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	25	0.13
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	26	0.13
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	26	0.13
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	26	0.13
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	30	0.13
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	30	0.13
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	30	0.13
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	32	0.13
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	32	0.13
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	32	0.13
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	36	0.13
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	36	0.13
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	36	0.13
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	37	0.13
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	37	0.13
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	37	0.13
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	38	0.13
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	38	0.13
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	38	0.13
(1,1257)	1:67:A:THR:HG21	1:26:A:SER:HB2	25	0.13
(1,1257)	1:67:A:THR:HG22	1:26:A:SER:HB2	25	0.13
(1,1257)	1:67:A:THR:HG23	1:26:A:SER:HB2	25	0.13
(1,1251)	1:41:A:THR:HG21	1:48:A:GLU:HB3	20	0.13
(1,1251)	1:41:A:THR:HG22	1:48:A:GLU:HB3	20	0.13
(1,1251)	1:41:A:THR:HG23	1:48:A:GLU:HB3	20	0.13
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	3	0.13
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	3	0.13
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	3	0.13
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	8	0.13
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	8	0.13
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	8	0.13
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	21	0.13
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	21	0.13
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	21	0.13
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	28	0.13
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	28	0.13
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	28	0.13
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	33	0.13
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	33	0.13
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	33	0.13
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	16	0.13
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	16	0.13
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	37	0.13
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	37	0.13
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	37	0.13
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	38	0.13
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	38	0.13
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	38	0.13
(1,1236)	1:13:A:THR:HG21	1:34:A:SER:HB3	5	0.13
(1,1236)	1:13:A:THR:HG22	1:34:A:SER:HB3	5	0.13
(1,1236)	1:13:A:THR:HG23	1:34:A:SER:HB3	5	0.13
(1,1236)	1:13:A:THR:HG21	1:34:A:SER:HB3	10	0.13
(1,1236)	1:13:A:THR:HG22	1:34:A:SER:HB3	10	0.13
(1,1236)	1:13:A:THR:HG23	1:34:A:SER:HB3	10	0.13
(1,1236)	1:13:A:THR:HG21	1:34:A:SER:HB3	13	0.13
(1,1236)	1:13:A:THR:HG22	1:34:A:SER:HB3	13	0.13
(1,1236)	1:13:A:THR:HG23	1:34:A:SER:HB3	13	0.13
(1,1236)	1:13:A:THR:HG21	1:34:A:SER:HB3	35	0.13
(1,1236)	1:13:A:THR:HG22	1:34:A:SER:HB3	35	0.13
(1,1236)	1:13:A:THR:HG23	1:34:A:SER:HB3	35	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	3	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	3	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	3	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	6	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	6	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	6	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	8	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	8	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	8	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	9	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	9	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	9	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	10	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	10	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	10	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	16	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	16	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	16	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	19	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	19	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	19	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	22	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	22	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	22	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	26	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	26	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	26	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	28	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	28	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	28	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	40	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	40	0.13
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	40	0.13
(1,1217)	1:69:A:HIS:H	1:56:A:ASN:H	3	0.13
(1,1217)	1:69:A:HIS:H	1:56:A:ASN:H	13	0.13
(1,1217)	1:69:A:HIS:H	1:56:A:ASN:H	16	0.13
(1,1213)	1:66:A:MET:H	1:28:A:THR:HA	16	0.13
(1,1208)	1:56:A:ASN:H	1:66:A:MET:HG2	23	0.13
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	2	0.13
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	31	0.13
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	33	0.13
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	38	0.13
(1,1174)	1:91:A:ALA:H	1:84:A:ARG:HA	13	0.13
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	21	0.13
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	33	0.13
(1,1125)	1:78:A:VAL:H	1:44:A:LYS:HE2	35	0.13
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	25	0.13
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	26	0.13
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	28	0.13
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	31	0.13
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	34	0.13
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	39	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	1	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	2	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	3	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	4	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	5	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	8	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	10	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	11	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	12	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	13	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	14	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	17	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	18	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	19	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	20	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	21	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	22	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	23	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	24	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	26	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	29	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	31	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	33	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	39	0.13
(1,1084)	1:99:A:GLY:H	1:99:A:GLY:HA2	40	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	1	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	2	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	3	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	4	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	8	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	12	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	13	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	19	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	21	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	22	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	23	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	24	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	27	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	30	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	32	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	33	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	36	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	37	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	38	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	39	0.13
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	40	0.13
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	2	0.13
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	5	0.13
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	10	0.13
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	16	0.13
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	19	0.13
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	21	0.13
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	28	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	34	0.13
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	36	0.13
(1,1002)	1:5:A:PHE:H	1:4:A:PRO:HA	17	0.13
(1,1002)	1:5:A:PHE:H	1:4:A:PRO:HA	31	0.13
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	1	0.13
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	1	0.13
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	1	0.13
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	13	0.13
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	13	0.13
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	13	0.13
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	36	0.13
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	36	0.13
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	36	0.13
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	39	0.13
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	39	0.13
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	39	0.13
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	20	0.13
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	29	0.13
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	33	0.13
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	34	0.13
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	1	0.13
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	3	0.13
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	5	0.13
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	6	0.13
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	7	0.13
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	8	0.13
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	9	0.13
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	12	0.13
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	13	0.13
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	21	0.13
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	24	0.13
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	27	0.13
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	38	0.13
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG21	9	0.13
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG22	9	0.13
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG23	9	0.13
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG21	15	0.13
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG22	15	0.13
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG23	15	0.13
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	8	0.13
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	10	0.13
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	21	0.13
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	24	0.13
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	32	0.13
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	33	0.13
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	35	0.13
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	36	0.13
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	1	0.13
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	11	0.13
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	23	0.13
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	25	0.13
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	30	0.13
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	33	0.13
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	1	0.13
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	1	0.13
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	1	0.13
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	23	0.13
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	23	0.13
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	23	0.13
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	27	0.13
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	27	0.13
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	27	0.13
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	40	0.13
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	40	0.13
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	40	0.13
(1,915)	1:37:A:ASP:H	1:37:A:ASP:HA	40	0.13
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	5	0.13
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	6	0.13
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	7	0.13
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	19	0.13
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	31	0.13
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	38	0.13
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	20	0.13
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	28	0.13
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	14	0.13
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	23	0.13
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	39	0.13
(1,871)	1:8:A:GLU:H	1:9:A:PRO:HD3	16	0.13
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	21	0.13
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	21	0.13
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	21	0.13
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	24	0.13
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	24	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	24	0.13
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	25	0.13
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	25	0.13
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	25	0.13
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	28	0.13
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	28	0.13
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	28	0.13
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	29	0.13
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	29	0.13
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	29	0.13
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	12	0.13
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	16	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	3	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	3	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	3	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	6	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	6	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	6	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	7	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	7	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	7	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	8	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	8	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	8	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	11	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	11	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	11	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	12	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	12	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	12	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	13	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	13	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	13	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	14	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	14	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	14	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	16	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	16	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	16	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	17	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	17	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	19	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	19	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	19	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	21	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	21	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	21	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	23	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	23	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	23	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	24	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	24	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	24	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	25	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	25	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	25	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	29	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	29	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	29	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	30	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	30	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	30	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	33	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	33	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	33	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	34	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	34	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	34	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	36	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	36	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	36	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	37	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	37	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	37	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	38	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	38	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	38	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG11	40	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG12	40	0.13
(1,809)	1:78:A:VAL:H	1:78:A:VAL:HG13	40	0.13
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	1	0.13
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	3	0.13
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	13	0.13
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	14	0.13
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	17	0.13
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	18	0.13
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	28	0.13
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	31	0.13
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	33	0.13
(1,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	3	0.13
(1,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	5	0.13
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	1	0.13
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	11	0.13
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	17	0.13
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	40	0.13
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	5	0.13
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	10	0.13
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	11	0.13
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	19	0.13
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	23	0.13
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	26	0.13
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	27	0.13
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	2	0.13
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	4	0.13
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	5	0.13
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	6	0.13
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	7	0.13
(1,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	6	0.13
(1,591)	1:3:A:ASP:H	1:3:A:ASP:HA	16	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	10	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	10	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	10	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	14	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	14	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	14	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	18	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	18	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	18	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	19	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	19	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	19	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	20	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	20	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	26	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	26	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	26	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	35	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	35	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	35	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	39	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	39	0.13
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	39	0.13
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	5	0.13
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	24	0.13
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	24	0.13
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	40	0.13
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	40	0.13
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	3	0.13
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	6	0.13
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	9	0.13
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	11	0.13
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	14	0.13
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	15	0.13
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	19	0.13
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	21	0.13
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	22	0.13
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	28	0.13
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	7	0.13
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	6	0.13
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	2	0.13
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	10	0.13
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	18	0.13
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	20	0.13
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	22	0.13
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	38	0.13
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	4	0.13
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	10	0.13
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	15	0.13
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	16	0.13
(1,419)	1:69:A:HIS:H	1:54:A:LYS:HA	6	0.13
(1,419)	1:69:A:HIS:H	1:54:A:LYS:HA	18	0.13
(1,410)	1:96:A:GLU:H	1:18:A:ASN:HD21	33	0.13
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD21	23	0.13
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD22	23	0.13
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD23	23	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD21	27	0.13
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD22	27	0.13
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD23	27	0.13
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	9	0.13
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	10	0.13
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	6	0.13
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	6	0.13
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	6	0.13
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	12	0.13
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	12	0.13
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	12	0.13
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	13	0.13
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	13	0.13
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	13	0.13
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	29	0.13
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	29	0.13
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	29	0.13
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	39	0.13
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	39	0.13
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	39	0.13
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	6	0.13
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	6	0.13
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	6	0.13
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	17	0.13
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	17	0.13
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	17	0.13
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	20	0.13
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	20	0.13
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	20	0.13
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	31	0.13
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	31	0.13
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	31	0.13
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	9	0.13
(1,368)	1:18:A:ASN:H	1:17:A:GLN:HB3	28	0.13
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	3	0.13
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	3	0.13
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	4	0.13
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	4	0.13
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	36	0.13
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	36	0.13
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	2	0.13
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	19	0.13
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	33	0.13
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	16	0.13
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	16	0.13
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	16	0.13
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	29	0.13
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	29	0.13
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	29	0.13
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	40	0.13
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	40	0.13
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	40	0.13
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	12	0.13
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	13	0.13
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	15	0.13
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	22	0.13
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	24	0.13
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	28	0.13
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	36	0.13
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	7	0.13
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	7	0.13
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	8	0.13
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	8	0.13
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	7	0.13
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	22	0.13
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	23	0.13
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	29	0.13
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	31	0.13
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	32	0.13
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	6	0.13
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	6	0.13
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	6	0.13
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	31	0.13
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	31	0.13
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	31	0.13
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	21	0.13
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	24	0.13
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	31	0.13
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	34	0.13
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	36	0.13
(1,111)	1:63:A:CYS:H	1:60:A:ASP:H	19	0.13
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	4	0.13
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	7	0.13
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	17	0.13
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	19	0.13
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	28	0.13
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	34	0.13
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	35	0.13
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	36	0.13
(1,48)	1:57:A:PHE:H	1:57:A:PHE:HB3	39	0.13
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	22	0.13
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	23	0.13
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	24	0.13
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	28	0.13
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	30	0.13
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	34	0.13
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	35	0.13
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	36	0.13
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	38	0.13
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	15	0.13
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	19	0.13
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	20	0.13
(1,25)	1:89:A:GLY:H	1:88:A:ARG:HB3	8	0.13
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	9	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	9	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	24	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	24	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	25	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	25	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	27	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	27	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	29	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	29	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	34	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	34	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	36	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	36	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	38	0.12
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	38	0.12
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	4	0.12
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	4	0.12
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	4	0.12
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	4	0.12
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	4	0.12
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	22	0.12
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	22	0.12
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	22	0.12
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	22	0.12
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	22	0.12
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	22	0.12
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	26	0.12
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	26	0.12
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	26	0.12
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	26	0.12
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	26	0.12
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	26	0.12
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	31	0.12
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	31	0.12
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	31	0.12
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	31	0.12
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	31	0.12
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	31	0.12
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	36	0.12
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	36	0.12
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	36	0.12
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	36	0.12
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	36	0.12
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	36	0.12
(3,3203)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	8	0.12
(3,3203)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	20	0.12
(3,3203)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	23	0.12
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	5	0.12
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	5	0.12
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	5	0.12
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	14	0.12
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	14	0.12
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	14	0.12
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	27	0.12
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	27	0.12
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	27	0.12
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	11	0.12
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	11	0.12
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	11	0.12
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	11	0.12
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	17	0.12
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	17	0.12
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	17	0.12
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	20	0.12
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	20	0.12
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	20	0.12
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	20	0.12
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	23	0.12
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	23	0.12
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	23	0.12
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	23	0.12
(3,3191)	1:43:A:TYR:HD1	1:44:A:LYS:H	3	0.12
(3,3191)	1:43:A:TYR:HD2	1:44:A:LYS:H	3	0.12
(3,3191)	1:43:A:TYR:HD1	1:44:A:LYS:H	4	0.12
(3,3191)	1:43:A:TYR:HD2	1:44:A:LYS:H	4	0.12
(3,3191)	1:43:A:TYR:HD1	1:44:A:LYS:H	5	0.12
(3,3191)	1:43:A:TYR:HD2	1:44:A:LYS:H	5	0.12
(3,3191)	1:43:A:TYR:HD1	1:44:A:LYS:H	12	0.12
(3,3191)	1:43:A:TYR:HD2	1:44:A:LYS:H	12	0.12
(3,3191)	1:43:A:TYR:HD1	1:44:A:LYS:H	15	0.12
(3,3191)	1:43:A:TYR:HD2	1:44:A:LYS:H	15	0.12
(3,3191)	1:43:A:TYR:HD1	1:44:A:LYS:H	20	0.12
(3,3191)	1:43:A:TYR:HD2	1:44:A:LYS:H	20	0.12
(3,3191)	1:43:A:TYR:HD1	1:44:A:LYS:H	27	0.12
(3,3191)	1:43:A:TYR:HD2	1:44:A:LYS:H	27	0.12
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	7	0.12
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	7	0.12
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	7	0.12
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	10	0.12
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	10	0.12
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	10	0.12
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	34	0.12
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	34	0.12
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	34	0.12
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	38	0.12
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	38	0.12
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	38	0.12
(3,3164)	1:42:A:TRP:HD1	1:41:A:THR:HA	29	0.12
(3,3164)	1:42:A:TRP:HD1	1:41:A:THR:HA	40	0.12
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	9	0.12
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	9	0.12
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	22	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	22	0.12
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	24	0.12
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	24	0.12
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	32	0.12
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	32	0.12
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	17	0.12
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	17	0.12
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	20	0.12
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	20	0.12
(3,3139)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	21	0.12
(3,3139)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	21	0.12
(3,3139)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	23	0.12
(3,3139)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	23	0.12
(3,3138)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	2	0.12
(3,3138)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	2	0.12
(3,3138)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	12	0.12
(3,3138)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	12	0.12
(3,3138)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	13	0.12
(3,3138)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	13	0.12
(3,3138)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	21	0.12
(3,3138)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	21	0.12
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	13	0.12
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	13	0.12
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	28	0.12
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	28	0.12
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	37	0.12
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	37	0.12
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	8	0.12
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	8	0.12
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	8	0.12
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	8	0.12
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	8	0.12
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	8	0.12
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	29	0.12
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	29	0.12
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	29	0.12
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	29	0.12
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	29	0.12
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	29	0.12
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	33	0.12
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	33	0.12
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	33	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	33	0.12
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	33	0.12
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	33	0.12
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	14	0.12
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	14	0.12
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	14	0.12
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	14	0.12
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	14	0.12
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	14	0.12
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	28	0.12
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	28	0.12
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	28	0.12
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	28	0.12
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	28	0.12
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	28	0.12
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	29	0.12
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	29	0.12
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	29	0.12
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	29	0.12
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	29	0.12
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	29	0.12
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	39	0.12
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	39	0.12
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	39	0.12
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	39	0.12
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	39	0.12
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	39	0.12
(3,3110)	1:79:A:TYR:HE1	1:66:A:MET:HE1	1	0.12
(3,3110)	1:79:A:TYR:HE1	1:66:A:MET:HE2	1	0.12
(3,3110)	1:79:A:TYR:HE1	1:66:A:MET:HE3	1	0.12
(3,3110)	1:79:A:TYR:HE2	1:66:A:MET:HE1	1	0.12
(3,3110)	1:79:A:TYR:HE2	1:66:A:MET:HE2	1	0.12
(3,3110)	1:79:A:TYR:HE2	1:66:A:MET:HE3	1	0.12
(3,3110)	1:79:A:TYR:HE1	1:66:A:MET:HE1	5	0.12
(3,3110)	1:79:A:TYR:HE1	1:66:A:MET:HE2	5	0.12
(3,3110)	1:79:A:TYR:HE1	1:66:A:MET:HE3	5	0.12
(3,3110)	1:79:A:TYR:HE2	1:66:A:MET:HE1	5	0.12
(3,3110)	1:79:A:TYR:HE2	1:66:A:MET:HE2	5	0.12
(3,3110)	1:79:A:TYR:HE2	1:66:A:MET:HE3	5	0.12
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	13	0.12
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	13	0.12
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	13	0.12
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	18	0.12
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	18	0.12
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	18	0.12
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	18	0.12
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	26	0.12
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	26	0.12
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	26	0.12
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	26	0.12
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	29	0.12
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	29	0.12
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	29	0.12
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	29	0.12
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	39	0.12
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	39	0.12
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	39	0.12
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	39	0.12
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	3	0.12
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	3	0.12
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	3	0.12
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	3	0.12
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	3	0.12
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	3	0.12
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	5	0.12
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	5	0.12
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	5	0.12
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	5	0.12
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	5	0.12
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	5	0.12
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	15	0.12
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	15	0.12
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	15	0.12
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	15	0.12
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	15	0.12
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	15	0.12
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	23	0.12
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	23	0.12
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	23	0.12
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	23	0.12
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	23	0.12
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	23	0.12
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	26	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	26	0.12
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	26	0.12
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	26	0.12
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	26	0.12
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	26	0.12
(3,3092)	1:7:A:ALA:HB1	1:88:A:ARG:HD3	4	0.12
(3,3092)	1:7:A:ALA:HB2	1:88:A:ARG:HD3	4	0.12
(3,3092)	1:7:A:ALA:HB3	1:88:A:ARG:HD3	4	0.12
(3,3092)	1:7:A:ALA:HB1	1:88:A:ARG:HD3	5	0.12
(3,3092)	1:7:A:ALA:HB2	1:88:A:ARG:HD3	5	0.12
(3,3092)	1:7:A:ALA:HB3	1:88:A:ARG:HD3	5	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	14	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	14	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	14	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	20	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	20	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	20	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	23	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	23	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	23	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	25	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	25	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	25	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	30	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	30	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	30	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	35	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	35	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	35	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	36	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	36	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	36	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	39	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	39	0.12
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	39	0.12
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	9	0.12
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	9	0.12
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	30	0.12
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	30	0.12
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	33	0.12
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	33	0.12
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG21	24	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG22	24	0.12
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG23	24	0.12
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG21	28	0.12
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG22	28	0.12
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG23	28	0.12
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG21	39	0.12
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG22	39	0.12
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG23	39	0.12
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	33	0.12
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	33	0.12
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	4	0.12
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	4	0.12
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	6	0.12
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	6	0.12
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	15	0.12
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	15	0.12
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	16	0.12
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	16	0.12
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	31	0.12
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	31	0.12
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	39	0.12
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	39	0.12
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	11	0.12
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	11	0.12
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	11	0.12
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	12	0.12
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	12	0.12
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	12	0.12
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	35	0.12
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	35	0.12
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	35	0.12
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	38	0.12
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	38	0.12
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	38	0.12
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	2	0.12
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	3	0.12
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	19	0.12
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	40	0.12
(3,3017)	1:102:A:ARG:HD3	1:102:A:ARG:HB2	25	0.12
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	21	0.12
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	22	0.12
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	33	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	4	0.12
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	10	0.12
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	26	0.12
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	39	0.12
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	40	0.12
(3,2975)	1:44:A:LYS:HE3	1:44:A:LYS:HD2	35	0.12
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	1	0.12
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	9	0.12
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	11	0.12
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	16	0.12
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	17	0.12
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	22	0.12
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	25	0.12
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	31	0.12
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	37	0.12
(3,2961)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	38	0.12
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	2	0.12
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	11	0.12
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	18	0.12
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	19	0.12
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	20	0.12
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	22	0.12
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	24	0.12
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	32	0.12
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	35	0.12
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	38	0.12
(3,2949)	1:90:A:GLU:HA	1:84:A:ARG:HA	15	0.12
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	9	0.12
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	9	0.12
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	22	0.12
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	22	0.12
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	24	0.12
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	24	0.12
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	32	0.12
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	32	0.12
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	9	0.12
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	13	0.12
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	19	0.12
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	20	0.12
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	27	0.12
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	33	0.12
(3,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	4	0.12
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	5	0.12
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	6	0.12
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	11	0.12
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	12	0.12
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	13	0.12
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	16	0.12
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	17	0.12
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	21	0.12
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	24	0.12
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	27	0.12
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	29	0.12
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	33	0.12
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	35	0.12
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	38	0.12
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	39	0.12
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	40	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	1	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	2	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	3	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	4	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	6	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	8	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	10	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	11	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	12	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	13	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	14	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	15	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	16	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	17	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	18	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	21	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	22	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	23	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	24	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	25	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	26	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	27	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	28	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	30	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	31	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	32	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	33	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	34	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	35	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	36	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	37	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	38	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	39	0.12
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	40	0.12
(3,2866)	1:92:A:ARG:HB3	1:92:A:ARG:H	27	0.12
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	26	0.12
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	34	0.12
(3,2829)	1:58:A:ARG:HD3	1:58:A:ARG:HG2	21	0.12
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	6	0.12
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	12	0.12
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	13	0.12
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	18	0.12
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	20	0.12
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	30	0.12
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	35	0.12
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	36	0.12
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	37	0.12
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	2	0.12
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	15	0.12
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	16	0.12
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	17	0.12
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	5	0.12
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	14	0.12
(3,2727)	1:76:A:GLU:HB2	1:77:A:GLY:H	17	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	1	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	2	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	3	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	4	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	5	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	6	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	10	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	12	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	13	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	15	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	16	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	17	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	19	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	21	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	22	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	23	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	24	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	25	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	26	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	27	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	28	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	30	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	31	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	32	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	33	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	34	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	36	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	37	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	38	0.12
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	40	0.12
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	1	0.12
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	10	0.12
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	11	0.12
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	15	0.12
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	16	0.12
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	21	0.12
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	22	0.12
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	25	0.12
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	26	0.12
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	27	0.12
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	30	0.12
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	32	0.12
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	35	0.12
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	40	0.12
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	3	0.12
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	12	0.12
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	15	0.12
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	25	0.12
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	29	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	1	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	2	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	3	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	6	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	11	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	12	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	13	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	14	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	17	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	18	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	19	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	20	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	22	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	25	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	26	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	27	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	28	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	29	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	30	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	31	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	32	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	33	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	34	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	36	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	37	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	38	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	39	0.12
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	40	0.12
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	3	0.12
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	3	0.12
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	3	0.12
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	8	0.12
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	8	0.12
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	8	0.12
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	28	0.12
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	28	0.12
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	28	0.12
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	39	0.12
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	39	0.12
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	39	0.12
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	6	0.12
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	7	0.12
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	10	0.12
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	15	0.12
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	17	0.12
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	22	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	23	0.12
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	21	0.12
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	22	0.12
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	24	0.12
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	32	0.12
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	35	0.12
(3,2613)	1:60:A:ASP:HB3	1:60:A:ASP:H	6	0.12
(3,2613)	1:60:A:ASP:HB3	1:60:A:ASP:H	13	0.12
(3,2612)	1:60:A:ASP:HB3	1:60:A:ASP:H	6	0.12
(3,2612)	1:60:A:ASP:HB3	1:60:A:ASP:H	13	0.12
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	2	0.12
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	10	0.12
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	11	0.12
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	13	0.12
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	22	0.12
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	11	0.12
(3,2543)	1:73:A:PRO:HG2	1:73:A:PRO:HA	18	0.12
(3,2541)	1:73:A:PRO:HG3	1:73:A:PRO:HA	22	0.12
(3,2541)	1:73:A:PRO:HG3	1:73:A:PRO:HA	33	0.12
(3,2541)	1:73:A:PRO:HG3	1:73:A:PRO:HA	39	0.12
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	29	0.12
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	35	0.12
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	26	0.12
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	28	0.12
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	33	0.12
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	21	0.12
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	22	0.12
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	23	0.12
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	24	0.12
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	25	0.12
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	27	0.12
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	30	0.12
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	32	0.12
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	34	0.12
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	38	0.12
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	40	0.12
(3,2482)	1:9:A:PRO:HD2	1:8:A:GLU:HA	1	0.12
(3,2482)	1:9:A:PRO:HD2	1:8:A:GLU:HA	20	0.12
(3,2482)	1:9:A:PRO:HD2	1:8:A:GLU:HA	33	0.12
(3,2463)	1:4:A:PRO:HD3	1:3:A:ASP:HA	8	0.12
(3,2463)	1:4:A:PRO:HD3	1:3:A:ASP:HA	9	0.12
(3,2463)	1:4:A:PRO:HD3	1:3:A:ASP:HA	25	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	10	0.12
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	15	0.12
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	38	0.12
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	38	0.12
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	38	0.12
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	5	0.12
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	9	0.12
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	11	0.12
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	17	0.12
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	27	0.12
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	15	0.12
(3,2412)	1:10:A:ILE:HA	1:11:A:GLN:HG2	19	0.12
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	6	0.12
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	6	0.12
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	6	0.12
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	40	0.12
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	40	0.12
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	40	0.12
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	4	0.12
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	4	0.12
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	4	0.12
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	24	0.12
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	24	0.12
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	24	0.12
(3,2342)	1:26:A:SER:HB3	1:27:A:ALA:H	11	0.12
(3,2342)	1:26:A:SER:HB3	1:27:A:ALA:H	30	0.12
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG21	4	0.12
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG22	4	0.12
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG23	4	0.12
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG21	22	0.12
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG22	22	0.12
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG23	22	0.12
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG21	25	0.12
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG22	25	0.12
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG23	25	0.12
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	4	0.12
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	8	0.12
(3,2290)	1:96:A:GLU:HG2	1:96:A:GLU:H	29	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	3	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	3	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	3	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	9	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	9	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	10	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	10	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	10	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	12	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	12	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	12	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	16	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	16	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	16	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	27	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	27	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	27	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	35	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	35	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	35	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	36	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	36	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	36	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	37	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	37	0.12
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	37	0.12
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	28	0.12
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	28	0.12
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	28	0.12
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	38	0.12
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	38	0.12
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	38	0.12
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	16	0.12
(3,2153)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	33	0.12
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	6	0.12
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	10	0.12
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	22	0.12
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	29	0.12
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	31	0.12
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	32	0.12
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	36	0.12
(3,2102)	1:40:A:VAL:HG21	1:83:A:ALA:HA	7	0.12
(3,2102)	1:40:A:VAL:HG22	1:83:A:ALA:HA	7	0.12
(3,2102)	1:40:A:VAL:HG23	1:83:A:ALA:HA	7	0.12
(3,2102)	1:40:A:VAL:HG21	1:83:A:ALA:HA	30	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2102)	1:40:A:VAL:HG22	1:83:A:ALA:HA	30	0.12
(3,2102)	1:40:A:VAL:HG23	1:83:A:ALA:HA	30	0.12
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	6	0.12
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	6	0.12
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	6	0.12
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	15	0.12
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	15	0.12
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	15	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	5	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	5	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	5	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	5	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	5	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	5	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	8	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	8	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	8	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	8	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	8	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	8	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	14	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	14	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	14	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	14	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	14	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	14	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	21	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	21	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	21	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	21	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	21	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	21	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	22	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	22	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	22	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	22	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	22	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	22	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	25	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	25	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	25	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	25	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	25	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	25	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	31	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	31	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	31	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	31	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	31	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	31	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	36	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	36	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	36	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	36	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	36	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	36	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	37	0.12
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	37	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	37	0.12
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	37	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	37	0.12
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	37	0.12
(3,2081)	1:97:A:LEU:HD11	1:21:A:VAL:HB	9	0.12
(3,2081)	1:97:A:LEU:HD12	1:21:A:VAL:HB	9	0.12
(3,2081)	1:97:A:LEU:HD13	1:21:A:VAL:HB	9	0.12
(3,2073)	1:94:A:THR:HG21	1:93:A:SER:HA	16	0.12
(3,2073)	1:94:A:THR:HG22	1:93:A:SER:HA	16	0.12
(3,2073)	1:94:A:THR:HG23	1:93:A:SER:HA	16	0.12
(3,2073)	1:94:A:THR:HG21	1:93:A:SER:HA	40	0.12
(3,2073)	1:94:A:THR:HG22	1:93:A:SER:HA	40	0.12
(3,2073)	1:94:A:THR:HG23	1:93:A:SER:HA	40	0.12
(3,2059)	1:78:A:VAL:HG11	1:96:A:GLU:HG2	38	0.12
(3,2059)	1:78:A:VAL:HG12	1:96:A:GLU:HG2	38	0.12
(3,2059)	1:78:A:VAL:HG13	1:96:A:GLU:HG2	38	0.12
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	19	0.12
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	19	0.12
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	19	0.12
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	19	0.12
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	19	0.12
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	19	0.12
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	19	0.12
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	19	0.12
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	19	0.12
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	25	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	25	0.12
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	25	0.12
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	25	0.12
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	25	0.12
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	25	0.12
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	25	0.12
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	25	0.12
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	25	0.12
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	30	0.12
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	30	0.12
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	30	0.12
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	30	0.12
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	30	0.12
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	30	0.12
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	30	0.12
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	30	0.12
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	30	0.12
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	32	0.12
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	32	0.12
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	32	0.12
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	32	0.12
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	32	0.12
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	32	0.12
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	32	0.12
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	32	0.12
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	32	0.12
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	6	0.12
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	6	0.12
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	6	0.12
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	6	0.12
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	6	0.12
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	6	0.12
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	12	0.12
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	12	0.12
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	12	0.12
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	12	0.12
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	12	0.12
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	12	0.12
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	24	0.12
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	24	0.12
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	24	0.12
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	24	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	24	0.12
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	24	0.12
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	40	0.12
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	40	0.12
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	40	0.12
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	40	0.12
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	40	0.12
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	40	0.12
(3,2027)	1:50:A:THR:HG21	1:57:A:PHE:HZ	34	0.12
(3,2027)	1:50:A:THR:HG22	1:57:A:PHE:HZ	34	0.12
(3,2027)	1:50:A:THR:HG23	1:57:A:PHE:HZ	34	0.12
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	3	0.12
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	3	0.12
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	3	0.12
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	5	0.12
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	5	0.12
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	5	0.12
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	7	0.12
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	7	0.12
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	7	0.12
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	20	0.12
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	20	0.12
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	20	0.12
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	21	0.12
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	21	0.12
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	21	0.12
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	23	0.12
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	23	0.12
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	23	0.12
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	25	0.12
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	25	0.12
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	25	0.12
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	32	0.12
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	32	0.12
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	32	0.12
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	34	0.12
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	34	0.12
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	34	0.12
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	36	0.12
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	36	0.12
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	36	0.12
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	9	0.12
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	9	0.12
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	9	0.12
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	9	0.12
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	9	0.12
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	27	0.12
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	27	0.12
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	27	0.12
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	27	0.12
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	27	0.12
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	27	0.12
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	31	0.12
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	31	0.12
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	31	0.12
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	31	0.12
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	31	0.12
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	31	0.12
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	37	0.12
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	37	0.12
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	37	0.12
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	37	0.12
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	37	0.12
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	37	0.12
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	15	0.12
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	15	0.12
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	33	0.12
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	33	0.12
(3,2016)	1:40:A:VAL:HG11	1:64:A:HIS:HD2	27	0.12
(3,2016)	1:40:A:VAL:HG12	1:64:A:HIS:HD2	27	0.12
(3,2016)	1:40:A:VAL:HG13	1:64:A:HIS:HD2	27	0.12
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	6	0.12
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	6	0.12
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	6	0.12
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	6	0.12
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	6	0.12
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	6	0.12
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	6	0.12
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	6	0.12
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	6	0.12
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	23	0.12
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	23	0.12
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	23	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	23	0.12
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	23	0.12
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	23	0.12
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	23	0.12
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	23	0.12
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	23	0.12
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	3	0.12
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	4	0.12
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	21	0.12
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	24	0.12
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	39	0.12
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	40	0.12
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	12	0.12
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	12	0.12
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	12	0.12
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	13	0.12
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	13	0.12
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	13	0.12
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	40	0.12
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	40	0.12
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	40	0.12
(3,1997)	1:21:A:VAL:HG11	1:25:A:GLN:HG3	37	0.12
(3,1997)	1:21:A:VAL:HG12	1:25:A:GLN:HG3	37	0.12
(3,1997)	1:21:A:VAL:HG13	1:25:A:GLN:HG3	37	0.12
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	1	0.12
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	1	0.12
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	1	0.12
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	16	0.12
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	16	0.12
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	16	0.12
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	19	0.12
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	19	0.12
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	19	0.12
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	35	0.12
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	35	0.12
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	35	0.12
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	38	0.12
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	38	0.12
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	38	0.12
(3,1969)	1:36:A:ASP:HB3	1:62:A:ARG:HA	31	0.12
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	20	0.12
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	36	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB1	15	0.12
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB2	15	0.12
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB3	15	0.12
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB1	15	0.12
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB2	15	0.12
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB3	15	0.12
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB1	15	0.12
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB2	15	0.12
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB3	15	0.12
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB1	34	0.12
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB2	34	0.12
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB3	34	0.12
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB1	34	0.12
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB2	34	0.12
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB3	34	0.12
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB1	34	0.12
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB2	34	0.12
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB3	34	0.12
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	8	0.12
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	8	0.12
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	8	0.12
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	11	0.12
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	11	0.12
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	11	0.12
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	12	0.12
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	12	0.12
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	12	0.12
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	24	0.12
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	24	0.12
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	24	0.12
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	27	0.12
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	27	0.12
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	27	0.12
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	30	0.12
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	30	0.12
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	30	0.12
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	34	0.12
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	34	0.12
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	34	0.12
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	39	0.12
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	39	0.12
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	39	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	12	0.12
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	12	0.12
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	12	0.12
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	18	0.12
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	18	0.12
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	18	0.12
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	21	0.12
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	21	0.12
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	21	0.12
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	24	0.12
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	24	0.12
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	24	0.12
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	26	0.12
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	26	0.12
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	26	0.12
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	27	0.12
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	27	0.12
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	27	0.12
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	37	0.12
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	37	0.12
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	37	0.12
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	38	0.12
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	38	0.12
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	38	0.12
(3,1899)	1:47:A:THR:HG21	1:44:A:LYS:HB3	4	0.12
(3,1899)	1:47:A:THR:HG22	1:44:A:LYS:HB3	4	0.12
(3,1899)	1:47:A:THR:HG23	1:44:A:LYS:HB3	4	0.12
(3,1899)	1:47:A:THR:HG21	1:44:A:LYS:HB3	8	0.12
(3,1899)	1:47:A:THR:HG22	1:44:A:LYS:HB3	8	0.12
(3,1899)	1:47:A:THR:HG23	1:44:A:LYS:HB3	8	0.12
(3,1899)	1:47:A:THR:HG21	1:44:A:LYS:HB3	11	0.12
(3,1899)	1:47:A:THR:HG22	1:44:A:LYS:HB3	11	0.12
(3,1899)	1:47:A:THR:HG23	1:44:A:LYS:HB3	11	0.12
(3,1899)	1:47:A:THR:HG21	1:44:A:LYS:HB3	38	0.12
(3,1899)	1:47:A:THR:HG22	1:44:A:LYS:HB3	38	0.12
(3,1899)	1:47:A:THR:HG23	1:44:A:LYS:HB3	38	0.12
(3,1885)	1:23:A:GLU:HG3	1:72:A:THR:HA	29	0.12
(3,1864)	1:7:A:ALA:HB1	1:88:A:ARG:HA	3	0.12
(3,1864)	1:7:A:ALA:HB2	1:88:A:ARG:HA	3	0.12
(3,1864)	1:7:A:ALA:HB3	1:88:A:ARG:HA	3	0.12
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	9	0.12
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	9	0.12
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	1	0.12
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	9	0.12
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	11	0.12
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	16	0.12
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	17	0.12
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	22	0.12
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	25	0.12
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	31	0.12
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	37	0.12
(3,1806)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	38	0.12
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	3	0.12
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	3	0.12
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	3	0.12
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	3	0.12
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	3	0.12
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	3	0.12
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	3	0.12
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	3	0.12
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	3	0.12
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	8	0.12
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	8	0.12
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	8	0.12
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	8	0.12
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	8	0.12
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	8	0.12
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	8	0.12
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	8	0.12
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	8	0.12
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	12	0.12
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	12	0.12
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	12	0.12
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	12	0.12
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	12	0.12
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	12	0.12
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	12	0.12
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	12	0.12
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	12	0.12
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	23	0.12
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	23	0.12
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	23	0.12
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	23	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	23	0.12
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	23	0.12
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	23	0.12
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	23	0.12
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	23	0.12
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	37	0.12
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	37	0.12
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	37	0.12
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	37	0.12
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	37	0.12
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	37	0.12
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	37	0.12
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	37	0.12
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	37	0.12
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	1	0.12
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	1	0.12
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	1	0.12
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	2	0.12
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	2	0.12
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	2	0.12
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	5	0.12
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	5	0.12
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	5	0.12
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	20	0.12
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	20	0.12
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	20	0.12
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	25	0.12
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	25	0.12
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	25	0.12
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	27	0.12
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	27	0.12
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	27	0.12
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	36	0.12
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	36	0.12
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	36	0.12
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	37	0.12
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	37	0.12
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	37	0.12
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	38	0.12
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	38	0.12
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	38	0.12
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	12	0.12
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	12	0.12
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	12	0.12
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	12	0.12
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	12	0.12
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	12	0.12
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	12	0.12
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	12	0.12
(3,1683)	1:85:A:LEU:HD11	1:35:A:PHE:HD1	4	0.12
(3,1683)	1:85:A:LEU:HD11	1:35:A:PHE:HD2	4	0.12
(3,1683)	1:85:A:LEU:HD12	1:35:A:PHE:HD1	4	0.12
(3,1683)	1:85:A:LEU:HD12	1:35:A:PHE:HD2	4	0.12
(3,1683)	1:85:A:LEU:HD13	1:35:A:PHE:HD1	4	0.12
(3,1683)	1:85:A:LEU:HD13	1:35:A:PHE:HD2	4	0.12
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	27	0.12
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	27	0.12
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	27	0.12
(3,1657)	1:81:A:VAL:HG11	1:31:A:CYS:HB2	5	0.12
(3,1657)	1:81:A:VAL:HG12	1:31:A:CYS:HB2	5	0.12
(3,1657)	1:81:A:VAL:HG13	1:31:A:CYS:HB2	5	0.12
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	28	0.12
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	28	0.12
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	28	0.12
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	28	0.12
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	28	0.12
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	28	0.12
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	28	0.12
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	28	0.12
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	28	0.12
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	20	0.12
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	20	0.12
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	20	0.12
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	20	0.12
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	20	0.12
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	20	0.12
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	20	0.12
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	20	0.12
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	20	0.12
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	3	0.12
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	3	0.12
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	3	0.12
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	7	0.12
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	7	0.12
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	12	0.12
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	12	0.12
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	12	0.12
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	20	0.12
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	20	0.12
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	20	0.12
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	26	0.12
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	26	0.12
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	26	0.12
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	33	0.12
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	33	0.12
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	33	0.12
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	36	0.12
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	36	0.12
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	36	0.12
(3,1631)	1:82:A:ILE:HG21	1:82:A:ILE:H	37	0.12
(3,1631)	1:82:A:ILE:HG22	1:82:A:ILE:H	37	0.12
(3,1631)	1:82:A:ILE:HG23	1:82:A:ILE:H	37	0.12
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	2	0.12
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	2	0.12
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	2	0.12
(3,1626)	1:82:A:ILE:HD11	1:83:A:ALA:H	8	0.12
(3,1626)	1:82:A:ILE:HD12	1:83:A:ALA:H	8	0.12
(3,1626)	1:82:A:ILE:HD13	1:83:A:ALA:H	8	0.12
(3,1626)	1:82:A:ILE:HD11	1:83:A:ALA:H	29	0.12
(3,1626)	1:82:A:ILE:HD12	1:83:A:ALA:H	29	0.12
(3,1626)	1:82:A:ILE:HD13	1:83:A:ALA:H	29	0.12
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	13	0.12
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	13	0.12
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	13	0.12
(3,1622)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	28	0.12
(3,1622)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	28	0.12
(3,1622)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	28	0.12
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	8	0.12
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	8	0.12
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	8	0.12
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	8	0.12
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	8	0.12
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	8	0.12
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	29	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	29	0.12
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	29	0.12
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	29	0.12
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	29	0.12
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	29	0.12
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	33	0.12
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	33	0.12
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	33	0.12
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	33	0.12
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	33	0.12
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	33	0.12
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	1	0.12
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	1	0.12
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	1	0.12
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	1	0.12
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	1	0.12
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	1	0.12
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	4	0.12
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	4	0.12
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	4	0.12
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	4	0.12
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	4	0.12
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	4	0.12
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	14	0.12
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	14	0.12
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	14	0.12
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	14	0.12
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	14	0.12
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	14	0.12
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	32	0.12
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	32	0.12
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	32	0.12
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	32	0.12
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	32	0.12
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	32	0.12
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	11	0.12
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	11	0.12
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	11	0.12
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	22	0.12
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	22	0.12
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	22	0.12
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	34	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	34	0.12
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	34	0.12
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	6	0.12
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	6	0.12
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	6	0.12
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	26	0.12
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	26	0.12
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	26	0.12
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	29	0.12
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	29	0.12
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	29	0.12
(3,1518)	1:66:A:MET:HE1	1:66:A:MET:H	40	0.12
(3,1518)	1:66:A:MET:HE2	1:66:A:MET:H	40	0.12
(3,1518)	1:66:A:MET:HE3	1:66:A:MET:H	40	0.12
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	3	0.12
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	3	0.12
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	3	0.12
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	18	0.12
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	18	0.12
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	18	0.12
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	32	0.12
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	32	0.12
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	32	0.12
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	34	0.12
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	34	0.12
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	34	0.12
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	7	0.12
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	7	0.12
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	7	0.12
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	10	0.12
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	10	0.12
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	10	0.12
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	34	0.12
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	34	0.12
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	34	0.12
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	38	0.12
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	38	0.12
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	38	0.12
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	6	0.12
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	6	0.12
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	6	0.12
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	6	0.12
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	6	0.12
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	15	0.12
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	15	0.12
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	15	0.12
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	15	0.12
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	15	0.12
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	15	0.12
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	3	0.12
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	3	0.12
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	3	0.12
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	26	0.12
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	26	0.12
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	26	0.12
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	31	0.12
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	31	0.12
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	31	0.12
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	32	0.12
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	32	0.12
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	32	0.12
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	14	0.12
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	14	0.12
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	14	0.12
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	32	0.12
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	32	0.12
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	32	0.12
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	34	0.12
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	34	0.12
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	34	0.12
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	2	0.12
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	2	0.12
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	2	0.12
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	6	0.12
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	6	0.12
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	6	0.12
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	7	0.12
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	7	0.12
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	7	0.12
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	10	0.12
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	10	0.12
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	10	0.12
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	12	0.12
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	12	0.12
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	21	0.12
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	21	0.12
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	21	0.12
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	24	0.12
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	24	0.12
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	24	0.12
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	28	0.12
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	28	0.12
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	28	0.12
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	40	0.12
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	40	0.12
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	40	0.12
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	1	0.12
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	1	0.12
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	1	0.12
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	8	0.12
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	8	0.12
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	8	0.12
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	16	0.12
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	16	0.12
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	16	0.12
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	18	0.12
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	18	0.12
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	18	0.12
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	21	0.12
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	21	0.12
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	21	0.12
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	26	0.12
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	26	0.12
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	26	0.12
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	28	0.12
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	28	0.12
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	28	0.12
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	35	0.12
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	35	0.12
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	35	0.12
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	36	0.12
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	36	0.12
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	36	0.12
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	37	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	37	0.12
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	37	0.12
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	40	0.12
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	40	0.12
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	40	0.12
(3,1488)	1:81:A:VAL:HB	1:42:A:TRP:HE1	17	0.12
(3,1488)	1:81:A:VAL:HB	1:42:A:TRP:HE1	18	0.12
(3,1488)	1:81:A:VAL:HB	1:42:A:TRP:HE1	20	0.12
(3,1424)	1:21:A:VAL:HG21	1:19:A:ILE:HD11	5	0.12
(3,1424)	1:21:A:VAL:HG21	1:19:A:ILE:HD12	5	0.12
(3,1424)	1:21:A:VAL:HG21	1:19:A:ILE:HD13	5	0.12
(3,1424)	1:21:A:VAL:HG22	1:19:A:ILE:HD11	5	0.12
(3,1424)	1:21:A:VAL:HG22	1:19:A:ILE:HD12	5	0.12
(3,1424)	1:21:A:VAL:HG22	1:19:A:ILE:HD13	5	0.12
(3,1424)	1:21:A:VAL:HG23	1:19:A:ILE:HD11	5	0.12
(3,1424)	1:21:A:VAL:HG23	1:19:A:ILE:HD12	5	0.12
(3,1424)	1:21:A:VAL:HG23	1:19:A:ILE:HD13	5	0.12
(3,1412)	1:20:A:VAL:HG11	1:100:A:GLU:HA	6	0.12
(3,1412)	1:20:A:VAL:HG12	1:100:A:GLU:HA	6	0.12
(3,1412)	1:20:A:VAL:HG13	1:100:A:GLU:HA	6	0.12
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	8	0.12
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	8	0.12
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	8	0.12
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	22	0.12
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	22	0.12
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	22	0.12
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	26	0.12
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	26	0.12
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	26	0.12
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	28	0.12
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	28	0.12
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	28	0.12
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	19	0.12
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	19	0.12
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	19	0.12
(3,1404)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	30	0.12
(3,1404)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	30	0.12
(3,1404)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	30	0.12
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	12	0.12
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	12	0.12
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	12	0.12
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	19	0.12
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	19	0.12
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	24	0.12
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	24	0.12
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	24	0.12
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	25	0.12
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	25	0.12
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	25	0.12
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	40	0.12
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	40	0.12
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	40	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	4	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	4	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	4	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	4	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	4	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	4	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	4	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	4	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	4	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	8	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	8	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	8	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	8	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	8	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	8	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	8	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	8	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	8	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	10	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	10	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	10	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	10	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	10	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	10	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	10	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	10	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	10	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	12	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	12	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	12	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	12	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	12	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	12	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	12	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	12	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	17	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	17	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	17	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	17	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	17	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	17	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	17	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	17	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	17	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	21	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	21	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	21	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	21	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	21	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	21	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	21	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	21	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	21	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	23	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	23	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	23	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	23	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	23	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	23	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	23	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	23	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	23	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	27	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	27	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	27	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	27	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	27	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	27	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	27	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	27	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	27	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	28	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	28	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	28	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	28	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	28	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	28	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	28	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	28	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	28	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	29	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	29	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	29	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	29	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	29	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	29	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	29	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	29	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	29	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	32	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	32	0.12
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	32	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	32	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	32	0.12
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	32	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	32	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	32	0.12
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	32	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	4	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	4	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	4	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	4	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	4	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	4	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	4	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	4	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	4	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	8	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	8	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	8	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	8	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	8	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	8	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	8	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	8	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	10	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	10	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	10	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	10	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	10	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	10	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	10	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	10	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	10	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	12	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	12	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	12	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	12	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	12	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	12	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	12	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	12	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	12	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	17	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	17	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	17	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	17	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	17	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	17	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	17	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	17	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	17	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	21	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	21	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	21	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	21	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	21	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	21	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	21	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	21	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	21	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	23	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	23	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	23	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	23	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	23	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	23	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	23	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	23	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	23	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	27	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	27	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	27	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	27	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	27	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	27	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	27	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	27	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	27	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	28	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	28	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	28	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	28	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	28	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	28	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	28	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	28	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	28	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	29	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	29	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	29	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	29	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	29	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	29	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	29	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	29	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	29	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	32	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	32	0.12
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	32	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	32	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	32	0.12
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	32	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	32	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	32	0.12
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	32	0.12
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	24	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	2	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	2	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	2	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	4	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	4	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	4	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	5	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	5	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	5	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	7	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	7	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	7	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	8	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	8	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	8	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	9	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	9	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	9	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	10	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	10	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	10	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	11	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	11	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	11	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	12	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	12	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	12	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	13	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	13	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	13	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	16	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	16	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	16	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	17	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	17	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	17	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	18	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	18	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	18	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	21	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	21	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	21	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	22	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	22	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	22	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	24	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	24	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	24	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	25	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	25	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	25	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	26	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	26	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	26	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	27	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	27	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	27	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	29	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	29	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	29	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	30	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	30	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	30	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	31	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	31	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	31	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	32	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	32	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	32	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	33	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	33	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	33	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	34	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	34	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	34	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	35	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	35	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	35	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	36	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	36	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	36	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	37	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	37	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	37	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	38	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	38	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	38	0.12
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	39	0.12
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	39	0.12
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	39	0.12
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	18	0.12
(3,1329)	1:19:A:ILE:HB	1:20:A:VAL:H	34	0.12
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	6	0.12
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	12	0.12
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	13	0.12
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	16	0.12
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	19	0.12
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	23	0.12
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	26	0.12
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	31	0.12
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	40	0.12
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	20	0.12
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	20	0.12
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	20	0.12
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	30	0.12
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	30	0.12
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	30	0.12
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	6	0.12
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	6	0.12
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	6	0.12
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	6	0.12
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	6	0.12
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	6	0.12
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	6	0.12
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	6	0.12
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	6	0.12
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	23	0.12
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	23	0.12
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	23	0.12
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	23	0.12
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	23	0.12
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	23	0.12
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	23	0.12
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	23	0.12
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	23	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1293)	1:40:A:VAL:HG21	1:42:A:TRP:HE1	29	0.12
(3,1293)	1:40:A:VAL:HG22	1:42:A:TRP:HE1	29	0.12
(3,1293)	1:40:A:VAL:HG23	1:42:A:TRP:HE1	29	0.12
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	20	0.12
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	20	0.12
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	20	0.12
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	30	0.12
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	30	0.12
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	30	0.12
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	16	0.12
(3,1274)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	33	0.12
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	16	0.12
(3,1273)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	33	0.12
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	12	0.12
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	12	0.12
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	12	0.12
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	12	0.12
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	12	0.12
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	12	0.12
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	12	0.12
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	12	0.12
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	12	0.12
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	23	0.12
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	23	0.12
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	23	0.12
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	23	0.12
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	23	0.12
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	23	0.12
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	23	0.12
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	23	0.12
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	23	0.12
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	33	0.12
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	33	0.12
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	33	0.12
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	33	0.12
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	33	0.12
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	33	0.12
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	33	0.12
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	33	0.12
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	33	0.12
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	17	0.12
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	17	0.12
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	17	0.12
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	17	0.12
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	17	0.12
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	1	0.12
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	1	0.12
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	1	0.12
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	5	0.12
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	5	0.12
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	5	0.12
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	8	0.12
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	8	0.12
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	8	0.12
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	15	0.12
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	15	0.12
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	15	0.12
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	18	0.12
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	18	0.12
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	18	0.12
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	22	0.12
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	22	0.12
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	22	0.12
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	27	0.12
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	27	0.12
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	27	0.12
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	39	0.12
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	39	0.12
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	39	0.12
(3,1265)	1:67:A:THR:HG21	1:56:A:ASN:H	14	0.12
(3,1265)	1:67:A:THR:HG22	1:56:A:ASN:H	14	0.12
(3,1265)	1:67:A:THR:HG23	1:56:A:ASN:H	14	0.12
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	12	0.12
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	12	0.12
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	12	0.12
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	22	0.12
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	22	0.12
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	22	0.12
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	3	0.12
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	3	0.12
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	3	0.12
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	28	0.12
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	28	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	28	0.12
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	39	0.12
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	39	0.12
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	39	0.12
(3,1240)	1:13:A:THR:HG21	1:34:A:SER:HB3	22	0.12
(3,1240)	1:13:A:THR:HG22	1:34:A:SER:HB3	22	0.12
(3,1240)	1:13:A:THR:HG23	1:34:A:SER:HB3	22	0.12
(3,1240)	1:13:A:THR:HG21	1:34:A:SER:HB3	31	0.12
(3,1240)	1:13:A:THR:HG22	1:34:A:SER:HB3	31	0.12
(3,1240)	1:13:A:THR:HG23	1:34:A:SER:HB3	31	0.12
(3,1232)	1:89:A:GLY:H	1:9:A:PRO:HG3	26	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	1	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	1	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	1	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	4	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	4	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	4	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	7	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	7	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	7	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	11	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	11	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	11	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	17	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	17	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	17	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	23	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	23	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	23	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	25	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	25	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	25	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	29	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	29	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	29	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	37	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	37	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	37	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	39	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	39	0.12
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	39	0.12
(3,1217)	1:66:A:MET:H	1:28:A:THR:HA	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1212)	1:56:A:ASN:H	1:66:A:MET:HG2	1	0.12
(3,1208)	1:42:A:TRP:H	1:57:A:PHE:HE1	12	0.12
(3,1208)	1:42:A:TRP:H	1:57:A:PHE:HE2	12	0.12
(3,1208)	1:42:A:TRP:H	1:57:A:PHE:HE1	19	0.12
(3,1208)	1:42:A:TRP:H	1:57:A:PHE:HE2	19	0.12
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	14	0.12
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	15	0.12
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	16	0.12
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	23	0.12
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	39	0.12
(3,1178)	1:91:A:ALA:H	1:84:A:ARG:HA	35	0.12
(3,1167)	1:75:A:ASP:H	1:74:A:ASP:HB2	28	0.12
(3,1152)	1:54:A:LYS:H	1:53:A:GLN:HG3	20	0.12
(3,1152)	1:54:A:LYS:H	1:53:A:GLN:HG3	33	0.12
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	39	0.12
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	21	0.12
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	23	0.12
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	24	0.12
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	27	0.12
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	29	0.12
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	33	0.12
(3,1096)	1:74:A:ASP:H	1:73:A:PRO:HA	40	0.12
(3,1063)	1:71:A:VAL:H	1:25:A:GLN:H	18	0.12
(3,1063)	1:71:A:VAL:H	1:25:A:GLN:H	39	0.12
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	11	0.12
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	14	0.12
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	15	0.12
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	25	0.12
(3,1036)	1:56:A:ASN:HD22	1:56:A:ASN:HA	32	0.12
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	3	0.12
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	7	0.12
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	13	0.12
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	24	0.12
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	25	0.12
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	32	0.12
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	40	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	5	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	5	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	5	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	8	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	8	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	11	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	11	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	11	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	12	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	12	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	12	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	14	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	14	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	14	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	24	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	24	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	24	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	27	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	27	0.12
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	27	0.12
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	11	0.12
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	12	0.12
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	26	0.12
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	36	0.12
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	18	0.12
(3,979)	1:20:A:VAL:H	1:19:A:ILE:HB	34	0.12
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG21	7	0.12
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG22	7	0.12
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG23	7	0.12
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG21	34	0.12
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG22	34	0.12
(3,972)	1:21:A:VAL:H	1:21:A:VAL:HG23	34	0.12
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	2	0.12
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	4	0.12
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	20	0.12
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	22	0.12
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	25	0.12
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	31	0.12
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	40	0.12
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	10	0.12
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	37	0.12
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	39	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	13	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	13	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	13	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	24	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	24	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	24	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	26	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	26	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	26	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	28	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	28	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	28	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	30	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	30	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	30	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	31	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	31	0.12
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	31	0.12
(3,933)	1:98:A:LYS:H	1:19:A:ILE:HB	14	0.12
(3,916)	1:37:A:ASP:H	1:37:A:ASP:HA	18	0.12
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	1	0.12
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	8	0.12
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	9	0.12
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	12	0.12
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	14	0.12
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	39	0.12
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	35	0.12
(3,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	22	0.12
(3,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	37	0.12
(3,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	38	0.12
(3,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	40	0.12
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	2	0.12
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	2	0.12
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	2	0.12
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	13	0.12
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	13	0.12
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	13	0.12
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	23	0.12
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	23	0.12
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	23	0.12
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	35	0.12
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	35	0.12
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	35	0.12
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	18	0.12
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	18	0.12
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	18	0.12
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	2	0.12
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	3	0.12
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	30	0.12
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	32	0.12
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	10	0.12
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	16	0.12
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	23	0.12
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	24	0.12
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	25	0.12
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	40	0.12
(3,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	21	0.12
(3,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	34	0.12
(3,683)	1:23:A:GLU:H	1:22:A:SER:HB3	7	0.12
(3,672)	1:72:A:THR:H	1:73:A:PRO:HD2	17	0.12
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	1	0.12
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	7	0.12
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	10	0.12
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	19	0.12
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	28	0.12
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	5	0.12
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	10	0.12
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	31	0.12
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	12	0.12
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	13	0.12
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	18	0.12
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	20	0.12
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	30	0.12
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	35	0.12
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	36	0.12
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	37	0.12
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	14	0.12
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	16	0.12
(3,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	12	0.12
(3,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	19	0.12
(3,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	29	0.12
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	8	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	1	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	1	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	1	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	3	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	3	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	4	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	4	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	4	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	7	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	7	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	7	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	12	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	12	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	12	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	13	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	13	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	13	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	15	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	15	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	15	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	16	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	16	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	16	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	27	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	27	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	27	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	32	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	32	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	32	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	33	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	33	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	33	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	37	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	37	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	37	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	38	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	38	0.12
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	38	0.12
(3,560)	1:47:A:THR:H	1:47:A:THR:HA	11	0.12
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	12	0.12
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	12	0.12
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	31	0.12
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	31	0.12
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	36	0.12
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	36	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	11	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	11	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	16	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	16	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	16	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	18	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	18	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	18	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	20	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	20	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	20	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	23	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	23	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	23	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	27	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	27	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	27	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	29	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	29	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	29	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	33	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	33	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	33	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	35	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	35	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	35	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	40	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	40	0.12
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	40	0.12
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	2	0.12
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	7	0.12
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	25	0.12
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	27	0.12
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	30	0.12
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	32	0.12
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	36	0.12
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	40	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	1	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	4	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	7	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	8	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	12	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	14	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	16	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	20	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	21	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	22	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	23	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	24	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	25	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	26	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	27	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	30	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	31	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	32	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	33	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	35	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	36	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	37	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	38	0.12
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	40	0.12
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	2	0.12
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	8	0.12
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	5	0.12
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	9	0.12
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	14	0.12
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	15	0.12
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	34	0.12
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	19	0.12
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	21	0.12
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	28	0.12
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	29	0.12
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	20	0.12
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	26	0.12
(3,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	27	0.12
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD21	7	0.12
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD22	7	0.12
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD23	7	0.12
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	5	0.12
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	14	0.12
(3,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	17	0.12
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	6	0.12
(3,394)	1:77:A:GLY:H	1:97:A:LEU:HA	15	0.12
(3,393)	1:77:A:GLY:H	1:96:A:GLU:HA	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,393)	1:77:A:GLY:H	1:96:A:GLU:HA	37	0.12
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	2	0.12
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	2	0.12
(3,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	2	0.12
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	8	0.12
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	8	0.12
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	8	0.12
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	22	0.12
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	22	0.12
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	22	0.12
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	26	0.12
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	26	0.12
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	26	0.12
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	6	0.12
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	7	0.12
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	10	0.12
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	15	0.12
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	17	0.12
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	22	0.12
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	23	0.12
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	7	0.12
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	7	0.12
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	10	0.12
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	10	0.12
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	33	0.12
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	33	0.12
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	3	0.12
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	4	0.12
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	21	0.12
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	24	0.12
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	39	0.12
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	40	0.12
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	5	0.12
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	17	0.12
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	17	0.12
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	17	0.12
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	2	0.12
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	6	0.12
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	7	0.12
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	9	0.12
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	11	0.12
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	20	0.12
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	21	0.12
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	23	0.12
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	25	0.12
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	27	0.12
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	33	0.12
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	38	0.12
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	39	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	2	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	2	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	5	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	5	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	10	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	10	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	23	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	23	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	29	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	29	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	30	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	30	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	36	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	36	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	37	0.12
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	37	0.12
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	13	0.12
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	17	0.12
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	21	0.12
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	24	0.12
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	25	0.12
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	30	0.12
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	35	0.12
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	40	0.12
(3,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	16	0.12
(3,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	20	0.12
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	39	0.12
(3,113)	1:63:A:CYS:H	1:60:A:ASP:H	3	0.12
(3,113)	1:63:A:CYS:H	1:60:A:ASP:H	26	0.12
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	25	0.12
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	26	0.12
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	27	0.12
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	32	0.12
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	33	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	37	0.12
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	39	0.12
(3,25)	1:89:A:GLY:H	1:88:A:ARG:HB3	6	0.12
(3,25)	1:89:A:GLY:H	1:88:A:ARG:HB3	9	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	9	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	9	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	24	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	24	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	25	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	25	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	27	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	27	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	29	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	29	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	34	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	34	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	36	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	36	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	38	0.12
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	38	0.12
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	4	0.12
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	4	0.12
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	4	0.12
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	4	0.12
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	4	0.12
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	4	0.12
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	22	0.12
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	22	0.12
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	22	0.12
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	22	0.12
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	22	0.12
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	22	0.12
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	26	0.12
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	26	0.12
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	26	0.12
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	26	0.12
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	26	0.12
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	26	0.12
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	31	0.12
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	31	0.12
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	31	0.12
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	31	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	31	0.12
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	31	0.12
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	36	0.12
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	36	0.12
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	36	0.12
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	36	0.12
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	36	0.12
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	36	0.12
(1,3197)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	8	0.12
(1,3197)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	20	0.12
(1,3197)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	23	0.12
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	5	0.12
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	5	0.12
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	5	0.12
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	14	0.12
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	14	0.12
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	14	0.12
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	27	0.12
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	27	0.12
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	27	0.12
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	11	0.12
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	11	0.12
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	11	0.12
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	11	0.12
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	17	0.12
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	17	0.12
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	17	0.12
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	17	0.12
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	20	0.12
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	20	0.12
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	20	0.12
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	20	0.12
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	23	0.12
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	23	0.12
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	23	0.12
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	23	0.12
(1,3185)	1:43:A:TYR:HD1	1:44:A:LYS:H	3	0.12
(1,3185)	1:43:A:TYR:HD2	1:44:A:LYS:H	3	0.12
(1,3185)	1:43:A:TYR:HD1	1:44:A:LYS:H	4	0.12
(1,3185)	1:43:A:TYR:HD2	1:44:A:LYS:H	4	0.12
(1,3185)	1:43:A:TYR:HD1	1:44:A:LYS:H	5	0.12
(1,3185)	1:43:A:TYR:HD2	1:44:A:LYS:H	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3185)	1:43:A:TYR:HD1	1:44:A:LYS:H	12	0.12
(1,3185)	1:43:A:TYR:HD2	1:44:A:LYS:H	12	0.12
(1,3185)	1:43:A:TYR:HD1	1:44:A:LYS:H	15	0.12
(1,3185)	1:43:A:TYR:HD2	1:44:A:LYS:H	15	0.12
(1,3185)	1:43:A:TYR:HD1	1:44:A:LYS:H	20	0.12
(1,3185)	1:43:A:TYR:HD2	1:44:A:LYS:H	20	0.12
(1,3185)	1:43:A:TYR:HD1	1:44:A:LYS:H	27	0.12
(1,3185)	1:43:A:TYR:HD2	1:44:A:LYS:H	27	0.12
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	7	0.12
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	7	0.12
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	7	0.12
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	10	0.12
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	10	0.12
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	10	0.12
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	34	0.12
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	34	0.12
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	34	0.12
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	38	0.12
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	38	0.12
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	38	0.12
(1,3158)	1:42:A:TRP:HD1	1:41:A:THR:HA	29	0.12
(1,3158)	1:42:A:TRP:HD1	1:41:A:THR:HA	40	0.12
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	9	0.12
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	9	0.12
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	22	0.12
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	22	0.12
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	24	0.12
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	24	0.12
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	32	0.12
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	32	0.12
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	17	0.12
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	17	0.12
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	20	0.12
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	20	0.12
(1,3133)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	21	0.12
(1,3133)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	21	0.12
(1,3133)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	23	0.12
(1,3133)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	23	0.12
(1,3132)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	2	0.12
(1,3132)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	2	0.12
(1,3132)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	12	0.12
(1,3132)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3132)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	13	0.12
(1,3132)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	13	0.12
(1,3132)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	21	0.12
(1,3132)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	21	0.12
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	13	0.12
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	13	0.12
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	28	0.12
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	28	0.12
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	37	0.12
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	37	0.12
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	8	0.12
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	8	0.12
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	8	0.12
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	8	0.12
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	8	0.12
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	8	0.12
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	29	0.12
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	29	0.12
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	29	0.12
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	29	0.12
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	29	0.12
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	29	0.12
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	33	0.12
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	33	0.12
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	33	0.12
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	33	0.12
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	33	0.12
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	33	0.12
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	14	0.12
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	14	0.12
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	14	0.12
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	14	0.12
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	14	0.12
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	14	0.12
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	28	0.12
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	28	0.12
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	28	0.12
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	28	0.12
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	28	0.12
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	28	0.12
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	29	0.12
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	29	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	29	0.12
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	29	0.12
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	29	0.12
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	29	0.12
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	39	0.12
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	39	0.12
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	39	0.12
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	39	0.12
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	39	0.12
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	39	0.12
(1,3104)	1:79:A:TYR:HE1	1:66:A:MET:HE1	1	0.12
(1,3104)	1:79:A:TYR:HE1	1:66:A:MET:HE2	1	0.12
(1,3104)	1:79:A:TYR:HE1	1:66:A:MET:HE3	1	0.12
(1,3104)	1:79:A:TYR:HE2	1:66:A:MET:HE1	1	0.12
(1,3104)	1:79:A:TYR:HE2	1:66:A:MET:HE2	1	0.12
(1,3104)	1:79:A:TYR:HE2	1:66:A:MET:HE3	1	0.12
(1,3104)	1:79:A:TYR:HE1	1:66:A:MET:HE1	5	0.12
(1,3104)	1:79:A:TYR:HE1	1:66:A:MET:HE2	5	0.12
(1,3104)	1:79:A:TYR:HE1	1:66:A:MET:HE3	5	0.12
(1,3104)	1:79:A:TYR:HE2	1:66:A:MET:HE1	5	0.12
(1,3104)	1:79:A:TYR:HE2	1:66:A:MET:HE2	5	0.12
(1,3104)	1:79:A:TYR:HE2	1:66:A:MET:HE3	5	0.12
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	13	0.12
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	13	0.12
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	13	0.12
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	13	0.12
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	18	0.12
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	18	0.12
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	18	0.12
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	18	0.12
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	26	0.12
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	26	0.12
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	26	0.12
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	26	0.12
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	29	0.12
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	29	0.12
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	29	0.12
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	29	0.12
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	39	0.12
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	39	0.12
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	39	0.12
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	39	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	3	0.12
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	3	0.12
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	3	0.12
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	3	0.12
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	3	0.12
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	3	0.12
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	5	0.12
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	5	0.12
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	5	0.12
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	5	0.12
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	5	0.12
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	5	0.12
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	15	0.12
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	15	0.12
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	15	0.12
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	15	0.12
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	15	0.12
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	15	0.12
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	23	0.12
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	23	0.12
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	23	0.12
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	23	0.12
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	23	0.12
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	23	0.12
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	26	0.12
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	26	0.12
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	26	0.12
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	26	0.12
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	26	0.12
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	26	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	14	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	14	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	14	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	20	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	20	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	20	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	23	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	23	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	23	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	25	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	25	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	25	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	30	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	30	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	30	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	35	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	35	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	35	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	36	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	36	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	36	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	39	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	39	0.12
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	39	0.12
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	9	0.12
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	9	0.12
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	30	0.12
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	30	0.12
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	33	0.12
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	33	0.12
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG21	24	0.12
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG22	24	0.12
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG23	24	0.12
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG21	28	0.12
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG22	28	0.12
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG23	28	0.12
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG21	39	0.12
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG22	39	0.12
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG23	39	0.12
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	33	0.12
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	33	0.12
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	4	0.12
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	4	0.12
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	6	0.12
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	6	0.12
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	15	0.12
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	15	0.12
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	16	0.12
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	16	0.12
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	31	0.12
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	31	0.12
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	39	0.12
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	39	0.12
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	11	0.12
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	11	0.12
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	12	0.12
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	12	0.12
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	12	0.12
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	35	0.12
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	35	0.12
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	35	0.12
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	38	0.12
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	38	0.12
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	38	0.12
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	2	0.12
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	3	0.12
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	19	0.12
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	40	0.12
(1,3009)	1:102:A:ARG:HD3	1:102:A:ARG:HB2	25	0.12
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	21	0.12
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	22	0.12
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	33	0.12
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	4	0.12
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	10	0.12
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	26	0.12
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	39	0.12
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	40	0.12
(1,2967)	1:44:A:LYS:HE3	1:44:A:LYS:HD2	35	0.12
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	1	0.12
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	9	0.12
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	11	0.12
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	16	0.12
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	17	0.12
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	22	0.12
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	25	0.12
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	31	0.12
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	37	0.12
(1,2953)	1:98:A:LYS:HB3	1:98:A:LYS:HG2	38	0.12
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	2	0.12
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	11	0.12
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	18	0.12
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	19	0.12
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	20	0.12
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	22	0.12
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	24	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	32	0.12
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	35	0.12
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	38	0.12
(1,2942)	1:90:A:GLU:HA	1:84:A:ARG:HA	15	0.12
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	9	0.12
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	9	0.12
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	22	0.12
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	22	0.12
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	24	0.12
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	24	0.12
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	32	0.12
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	32	0.12
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	9	0.12
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	13	0.12
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	19	0.12
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	20	0.12
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	27	0.12
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	33	0.12
(1,2903)	1:98:A:LYS:HE3	1:98:A:LYS:HD2	16	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	4	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	5	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	6	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	11	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	12	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	13	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	16	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	17	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	21	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	24	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	27	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	29	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	33	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	35	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	38	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	39	0.12
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	40	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	1	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	2	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	3	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	4	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	6	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	10	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	11	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	12	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	13	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	14	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	15	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	16	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	17	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	18	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	21	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	22	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	23	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	24	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	25	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	26	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	27	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	28	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	30	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	31	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	32	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	33	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	34	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	35	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	36	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	37	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	38	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	39	0.12
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	40	0.12
(1,2859)	1:92:A:ARG:HB3	1:92:A:ARG:H	27	0.12
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	26	0.12
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	34	0.12
(1,2822)	1:58:A:ARG:HD3	1:58:A:ARG:HG2	21	0.12
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	6	0.12
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	12	0.12
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	13	0.12
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	18	0.12
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	20	0.12
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	30	0.12
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	35	0.12
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	36	0.12
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	37	0.12
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	15	0.12
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	16	0.12
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	17	0.12
(1,2745)	1:86:A:GLU:HG2	1:86:A:GLU:H	29	0.12
(1,2745)	1:86:A:GLU:HG3	1:86:A:GLU:H	29	0.12
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	5	0.12
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	14	0.12
(1,2723)	1:76:A:GLU:HB2	1:77:A:GLY:H	17	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	1	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	2	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	3	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	4	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	5	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	6	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	10	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	12	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	13	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	15	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	16	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	17	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	18	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	19	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	21	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	22	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	23	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	24	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	25	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	26	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	27	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	28	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	30	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	31	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	32	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	33	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	34	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	36	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	37	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	38	0.12
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	40	0.12
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	1	0.12
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	10	0.12
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	15	0.12
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	16	0.12
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	21	0.12
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	22	0.12
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	25	0.12
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	26	0.12
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	27	0.12
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	30	0.12
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	32	0.12
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	35	0.12
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	40	0.12
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	3	0.12
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	12	0.12
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	15	0.12
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	25	0.12
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	29	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	1	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	2	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	3	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	6	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	7	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	11	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	12	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	13	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	14	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	17	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	18	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	19	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	20	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	22	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	25	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	26	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	27	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	28	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	29	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	30	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	31	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	32	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	33	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	34	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	36	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	37	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	38	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	39	0.12
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	40	0.12
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	3	0.12
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	3	0.12
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	3	0.12
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	8	0.12
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	8	0.12
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	8	0.12
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	28	0.12
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	28	0.12
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	28	0.12
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	39	0.12
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	39	0.12
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	39	0.12
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	6	0.12
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	7	0.12
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	10	0.12
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	15	0.12
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	17	0.12
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	22	0.12
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	23	0.12
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	21	0.12
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	22	0.12
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	24	0.12
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	32	0.12
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	35	0.12
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	22	0.12
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	32	0.12
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	35	0.12
(1,2609)	1:60:A:ASP:HB3	1:60:A:ASP:H	6	0.12
(1,2609)	1:60:A:ASP:HB3	1:60:A:ASP:H	13	0.12
(1,2608)	1:60:A:ASP:HB3	1:60:A:ASP:H	6	0.12
(1,2608)	1:60:A:ASP:HB3	1:60:A:ASP:H	13	0.12
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	2	0.12
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	10	0.12
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	11	0.12
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	13	0.12
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	22	0.12
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	11	0.12
(1,2539)	1:73:A:PRO:HG2	1:73:A:PRO:HA	18	0.12
(1,2537)	1:73:A:PRO:HG3	1:73:A:PRO:HA	22	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2537)	1:73:A:PRO:HG3	1:73:A:PRO:HA	33	0.12
(1,2537)	1:73:A:PRO:HG3	1:73:A:PRO:HA	39	0.12
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	26	0.12
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	28	0.12
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	33	0.12
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	21	0.12
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	22	0.12
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	23	0.12
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	24	0.12
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	25	0.12
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	27	0.12
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	30	0.12
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	32	0.12
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	34	0.12
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	38	0.12
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	40	0.12
(1,2479)	1:9:A:PRO:HD2	1:8:A:GLU:HA	1	0.12
(1,2479)	1:9:A:PRO:HD2	1:8:A:GLU:HA	20	0.12
(1,2479)	1:9:A:PRO:HD2	1:8:A:GLU:HA	33	0.12
(1,2460)	1:4:A:PRO:HD3	1:3:A:ASP:HA	8	0.12
(1,2460)	1:4:A:PRO:HD3	1:3:A:ASP:HA	9	0.12
(1,2460)	1:4:A:PRO:HD3	1:3:A:ASP:HA	25	0.12
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	10	0.12
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	15	0.12
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	38	0.12
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	38	0.12
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	38	0.12
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	5	0.12
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	9	0.12
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	11	0.12
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	17	0.12
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	27	0.12
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	15	0.12
(1,2409)	1:10:A:ILE:HA	1:11:A:GLN:HG2	19	0.12
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	6	0.12
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	6	0.12
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	6	0.12
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	40	0.12
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	40	0.12
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	40	0.12
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	4	0.12
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	4	0.12
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	24	0.12
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	24	0.12
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	24	0.12
(1,2339)	1:26:A:SER:HB3	1:27:A:ALA:H	11	0.12
(1,2339)	1:26:A:SER:HB3	1:27:A:ALA:H	30	0.12
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG21	4	0.12
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG22	4	0.12
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG23	4	0.12
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG21	22	0.12
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG22	22	0.12
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG23	22	0.12
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG21	25	0.12
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG22	25	0.12
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG23	25	0.12
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	4	0.12
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	8	0.12
(1,2287)	1:96:A:GLU:HG2	1:96:A:GLU:H	29	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	3	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	3	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	3	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	9	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	9	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	9	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	10	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	10	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	10	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	12	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	12	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	12	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	16	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	16	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	16	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	27	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	27	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	27	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	35	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	35	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	35	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	36	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	36	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	36	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	37	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	37	0.12
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	37	0.12
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	28	0.12
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	28	0.12
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	28	0.12
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	38	0.12
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	38	0.12
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	38	0.12
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	16	0.12
(1,2150)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	33	0.12
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	6	0.12
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	10	0.12
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	22	0.12
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	29	0.12
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	31	0.12
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	32	0.12
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	36	0.12
(1,2099)	1:40:A:VAL:HG21	1:83:A:ALA:HA	7	0.12
(1,2099)	1:40:A:VAL:HG22	1:83:A:ALA:HA	7	0.12
(1,2099)	1:40:A:VAL:HG23	1:83:A:ALA:HA	7	0.12
(1,2099)	1:40:A:VAL:HG21	1:83:A:ALA:HA	30	0.12
(1,2099)	1:40:A:VAL:HG22	1:83:A:ALA:HA	30	0.12
(1,2099)	1:40:A:VAL:HG23	1:83:A:ALA:HA	30	0.12
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	6	0.12
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	6	0.12
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	6	0.12
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	15	0.12
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	15	0.12
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	15	0.12
(1,2093)	1:88:A:ARG:HD3	1:7:A:ALA:HA	40	0.12
(1,2087)	1:85:A:LEU:HD11	1:39:A:ILE:H	2	0.12
(1,2087)	1:85:A:LEU:HD12	1:39:A:ILE:H	2	0.12
(1,2087)	1:85:A:LEU:HD13	1:39:A:ILE:H	2	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	5	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	5	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	5	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	5	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	5	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	5	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	8	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	8	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	8	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	8	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	8	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	14	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	14	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	14	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	14	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	14	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	14	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	21	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	21	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	21	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	21	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	21	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	21	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	22	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	22	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	22	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	22	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	22	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	22	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	25	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	25	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	25	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	25	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	25	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	25	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	31	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	31	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	31	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	31	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	31	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	31	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	36	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	36	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	36	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	36	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	36	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	36	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	37	0.12
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	37	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	37	0.12
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	37	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	37	0.12
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	37	0.12
(1,2076)	1:97:A:LEU:HD11	1:21:A:VAL:HB	9	0.12
(1,2076)	1:97:A:LEU:HD12	1:21:A:VAL:HB	9	0.12
(1,2076)	1:97:A:LEU:HD13	1:21:A:VAL:HB	9	0.12
(1,2068)	1:94:A:THR:HG21	1:93:A:SER:HA	16	0.12
(1,2068)	1:94:A:THR:HG22	1:93:A:SER:HA	16	0.12
(1,2068)	1:94:A:THR:HG23	1:93:A:SER:HA	16	0.12
(1,2068)	1:94:A:THR:HG21	1:93:A:SER:HA	40	0.12
(1,2068)	1:94:A:THR:HG22	1:93:A:SER:HA	40	0.12
(1,2068)	1:94:A:THR:HG23	1:93:A:SER:HA	40	0.12
(1,2054)	1:78:A:VAL:HG11	1:96:A:GLU:HG2	38	0.12
(1,2054)	1:78:A:VAL:HG12	1:96:A:GLU:HG2	38	0.12
(1,2054)	1:78:A:VAL:HG13	1:96:A:GLU:HG2	38	0.12
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	19	0.12
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	19	0.12
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	19	0.12
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	19	0.12
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	19	0.12
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	19	0.12
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	19	0.12
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	19	0.12
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	19	0.12
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	25	0.12
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	25	0.12
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	25	0.12
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	25	0.12
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	25	0.12
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	25	0.12
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	25	0.12
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	25	0.12
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	25	0.12
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	30	0.12
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	30	0.12
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	30	0.12
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	30	0.12
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	30	0.12
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	30	0.12
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	30	0.12
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	30	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	30	0.12
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	32	0.12
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	32	0.12
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	32	0.12
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	32	0.12
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	32	0.12
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	32	0.12
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	32	0.12
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	32	0.12
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	32	0.12
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	6	0.12
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	6	0.12
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	6	0.12
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	6	0.12
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	6	0.12
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	6	0.12
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	12	0.12
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	12	0.12
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	12	0.12
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	12	0.12
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	12	0.12
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	12	0.12
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	24	0.12
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	24	0.12
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	24	0.12
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	24	0.12
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	24	0.12
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	24	0.12
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	40	0.12
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	40	0.12
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	40	0.12
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	40	0.12
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	40	0.12
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	40	0.12
(1,2022)	1:50:A:THR:HG21	1:57:A:PHE:HZ	34	0.12
(1,2022)	1:50:A:THR:HG22	1:57:A:PHE:HZ	34	0.12
(1,2022)	1:50:A:THR:HG23	1:57:A:PHE:HZ	34	0.12
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	3	0.12
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	3	0.12
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	3	0.12
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	5	0.12
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	5	0.12
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	7	0.12
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	7	0.12
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	7	0.12
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	20	0.12
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	20	0.12
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	20	0.12
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	21	0.12
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	21	0.12
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	21	0.12
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	23	0.12
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	23	0.12
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	23	0.12
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	25	0.12
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	25	0.12
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	25	0.12
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	32	0.12
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	32	0.12
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	32	0.12
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	34	0.12
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	34	0.12
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	34	0.12
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	36	0.12
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	36	0.12
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	36	0.12
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	9	0.12
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	9	0.12
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	9	0.12
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	9	0.12
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	9	0.12
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	9	0.12
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	27	0.12
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	27	0.12
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	27	0.12
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	27	0.12
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	27	0.12
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	27	0.12
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	31	0.12
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	31	0.12
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	31	0.12
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	31	0.12
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	31	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	31	0.12
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	37	0.12
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	37	0.12
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	37	0.12
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	37	0.12
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	37	0.12
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	37	0.12
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	15	0.12
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	15	0.12
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	33	0.12
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	33	0.12
(1,2012)	1:40:A:VAL:HG11	1:64:A:HIS:HD2	27	0.12
(1,2012)	1:40:A:VAL:HG12	1:64:A:HIS:HD2	27	0.12
(1,2012)	1:40:A:VAL:HG13	1:64:A:HIS:HD2	27	0.12
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	6	0.12
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	6	0.12
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	6	0.12
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	6	0.12
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	6	0.12
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	6	0.12
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	6	0.12
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	6	0.12
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	6	0.12
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	23	0.12
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	23	0.12
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	23	0.12
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	23	0.12
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	23	0.12
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	23	0.12
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	23	0.12
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	23	0.12
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	23	0.12
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	3	0.12
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	4	0.12
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	21	0.12
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	24	0.12
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	39	0.12
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	40	0.12
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	12	0.12
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	12	0.12
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	12	0.12
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	13	0.12
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	13	0.12
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	40	0.12
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	40	0.12
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	40	0.12
(1,1994)	1:21:A:VAL:HG11	1:25:A:GLN:HG3	37	0.12
(1,1994)	1:21:A:VAL:HG12	1:25:A:GLN:HG3	37	0.12
(1,1994)	1:21:A:VAL:HG13	1:25:A:GLN:HG3	37	0.12
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	1	0.12
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	1	0.12
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	1	0.12
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	16	0.12
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	16	0.12
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	16	0.12
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	19	0.12
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	19	0.12
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	19	0.12
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	35	0.12
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	35	0.12
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	35	0.12
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	38	0.12
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	38	0.12
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	38	0.12
(1,1966)	1:36:A:ASP:HB3	1:62:A:ARG:HA	31	0.12
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	20	0.12
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	36	0.12
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB1	15	0.12
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB2	15	0.12
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB3	15	0.12
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB1	15	0.12
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB2	15	0.12
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB3	15	0.12
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB1	15	0.12
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB2	15	0.12
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB3	15	0.12
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB1	34	0.12
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB2	34	0.12
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB3	34	0.12
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB1	34	0.12
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB2	34	0.12
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB3	34	0.12
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB1	34	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB2	34	0.12
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB3	34	0.12
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	8	0.12
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	8	0.12
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	8	0.12
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	11	0.12
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	11	0.12
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	11	0.12
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	12	0.12
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	12	0.12
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	12	0.12
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	24	0.12
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	24	0.12
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	24	0.12
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	27	0.12
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	27	0.12
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	27	0.12
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	30	0.12
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	30	0.12
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	30	0.12
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	34	0.12
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	34	0.12
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	34	0.12
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	39	0.12
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	39	0.12
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	39	0.12
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	12	0.12
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	12	0.12
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	12	0.12
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	18	0.12
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	18	0.12
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	18	0.12
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	21	0.12
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	21	0.12
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	21	0.12
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	24	0.12
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	24	0.12
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	24	0.12
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	26	0.12
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	26	0.12
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	26	0.12
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	27	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	27	0.12
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	27	0.12
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	37	0.12
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	37	0.12
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	37	0.12
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	38	0.12
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	38	0.12
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	38	0.12
(1,1896)	1:47:A:THR:HG21	1:44:A:LYS:HB3	4	0.12
(1,1896)	1:47:A:THR:HG22	1:44:A:LYS:HB3	4	0.12
(1,1896)	1:47:A:THR:HG23	1:44:A:LYS:HB3	4	0.12
(1,1896)	1:47:A:THR:HG21	1:44:A:LYS:HB3	8	0.12
(1,1896)	1:47:A:THR:HG22	1:44:A:LYS:HB3	8	0.12
(1,1896)	1:47:A:THR:HG23	1:44:A:LYS:HB3	8	0.12
(1,1896)	1:47:A:THR:HG21	1:44:A:LYS:HB3	11	0.12
(1,1896)	1:47:A:THR:HG22	1:44:A:LYS:HB3	11	0.12
(1,1896)	1:47:A:THR:HG23	1:44:A:LYS:HB3	11	0.12
(1,1896)	1:47:A:THR:HG21	1:44:A:LYS:HB3	38	0.12
(1,1896)	1:47:A:THR:HG22	1:44:A:LYS:HB3	38	0.12
(1,1896)	1:47:A:THR:HG23	1:44:A:LYS:HB3	38	0.12
(1,1882)	1:23:A:GLU:HG3	1:72:A:THR:HA	29	0.12
(1,1861)	1:7:A:ALA:HB1	1:88:A:ARG:HA	3	0.12
(1,1861)	1:7:A:ALA:HB2	1:88:A:ARG:HA	3	0.12
(1,1861)	1:7:A:ALA:HB3	1:88:A:ARG:HA	3	0.12
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	9	0.12
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	9	0.12
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	9	0.12
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	1	0.12
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	9	0.12
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	11	0.12
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	16	0.12
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	17	0.12
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	22	0.12
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	25	0.12
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	31	0.12
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	37	0.12
(1,1803)	1:98:A:LYS:HG2	1:98:A:LYS:HB3	38	0.12
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	3	0.12
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	3	0.12
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	3	0.12
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	3	0.12
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	3	0.12
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	3	0.12
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	3	0.12
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	3	0.12
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	8	0.12
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	8	0.12
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	8	0.12
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	8	0.12
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	8	0.12
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	8	0.12
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	8	0.12
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	8	0.12
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	8	0.12
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	12	0.12
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	12	0.12
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	12	0.12
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	12	0.12
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	12	0.12
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	12	0.12
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	12	0.12
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	12	0.12
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	12	0.12
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	23	0.12
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	23	0.12
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	23	0.12
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	23	0.12
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	23	0.12
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	23	0.12
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	23	0.12
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	23	0.12
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	23	0.12
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	37	0.12
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	37	0.12
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	37	0.12
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	37	0.12
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	37	0.12
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	37	0.12
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	37	0.12
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	37	0.12
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	37	0.12
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	1	0.12
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	1	0.12
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	2	0.12
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	2	0.12
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	2	0.12
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	5	0.12
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	5	0.12
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	5	0.12
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	20	0.12
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	20	0.12
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	20	0.12
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	25	0.12
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	25	0.12
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	25	0.12
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	27	0.12
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	27	0.12
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	27	0.12
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	36	0.12
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	36	0.12
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	36	0.12
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	37	0.12
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	37	0.12
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	37	0.12
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	38	0.12
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	38	0.12
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	38	0.12
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	12	0.12
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	12	0.12
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	12	0.12
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	12	0.12
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	12	0.12
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	12	0.12
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	12	0.12
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	12	0.12
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	12	0.12
(1,1679)	1:85:A:LEU:HD11	1:35:A:PHE:HD1	4	0.12
(1,1679)	1:85:A:LEU:HD11	1:35:A:PHE:HD2	4	0.12
(1,1679)	1:85:A:LEU:HD12	1:35:A:PHE:HD1	4	0.12
(1,1679)	1:85:A:LEU:HD12	1:35:A:PHE:HD2	4	0.12
(1,1679)	1:85:A:LEU:HD13	1:35:A:PHE:HD1	4	0.12
(1,1679)	1:85:A:LEU:HD13	1:35:A:PHE:HD2	4	0.12
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	27	0.12
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	27	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	27	0.12
(1,1653)	1:81:A:VAL:HG11	1:31:A:CYS:HB2	5	0.12
(1,1653)	1:81:A:VAL:HG12	1:31:A:CYS:HB2	5	0.12
(1,1653)	1:81:A:VAL:HG13	1:31:A:CYS:HB2	5	0.12
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	28	0.12
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	28	0.12
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	28	0.12
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	28	0.12
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	28	0.12
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	28	0.12
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	28	0.12
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	28	0.12
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	28	0.12
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	20	0.12
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	20	0.12
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	20	0.12
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	20	0.12
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	20	0.12
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	20	0.12
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	20	0.12
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	20	0.12
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	20	0.12
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	3	0.12
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	3	0.12
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	3	0.12
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	7	0.12
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	7	0.12
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	7	0.12
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	12	0.12
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	12	0.12
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	12	0.12
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	20	0.12
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	20	0.12
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	20	0.12
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	26	0.12
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	26	0.12
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	26	0.12
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	33	0.12
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	33	0.12
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	33	0.12
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	36	0.12
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	36	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	36	0.12
(1,1627)	1:82:A:ILE:HG21	1:82:A:ILE:H	37	0.12
(1,1627)	1:82:A:ILE:HG22	1:82:A:ILE:H	37	0.12
(1,1627)	1:82:A:ILE:HG23	1:82:A:ILE:H	37	0.12
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	2	0.12
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	2	0.12
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	2	0.12
(1,1622)	1:82:A:ILE:HD11	1:83:A:ALA:H	8	0.12
(1,1622)	1:82:A:ILE:HD12	1:83:A:ALA:H	8	0.12
(1,1622)	1:82:A:ILE:HD13	1:83:A:ALA:H	8	0.12
(1,1622)	1:82:A:ILE:HD11	1:83:A:ALA:H	29	0.12
(1,1622)	1:82:A:ILE:HD12	1:83:A:ALA:H	29	0.12
(1,1622)	1:82:A:ILE:HD13	1:83:A:ALA:H	29	0.12
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	13	0.12
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	13	0.12
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	13	0.12
(1,1618)	1:82:A:ILE:HD11	1:92:A:ARG:HD2	28	0.12
(1,1618)	1:82:A:ILE:HD12	1:92:A:ARG:HD2	28	0.12
(1,1618)	1:82:A:ILE:HD13	1:92:A:ARG:HD2	28	0.12
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	8	0.12
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	8	0.12
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	8	0.12
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	8	0.12
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	8	0.12
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	8	0.12
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	29	0.12
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	29	0.12
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	29	0.12
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	29	0.12
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	29	0.12
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	29	0.12
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	33	0.12
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	33	0.12
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	33	0.12
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	33	0.12
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	33	0.12
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	33	0.12
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	1	0.12
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	1	0.12
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	1	0.12
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	1	0.12
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	1	0.12
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	4	0.12
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	4	0.12
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	4	0.12
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	4	0.12
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	4	0.12
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	4	0.12
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	14	0.12
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	14	0.12
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	14	0.12
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	14	0.12
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	14	0.12
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	14	0.12
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	32	0.12
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	32	0.12
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	32	0.12
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	32	0.12
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	32	0.12
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	32	0.12
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	11	0.12
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	11	0.12
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	11	0.12
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	22	0.12
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	22	0.12
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	22	0.12
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	34	0.12
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	34	0.12
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	34	0.12
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	6	0.12
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	6	0.12
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	6	0.12
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	26	0.12
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	26	0.12
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	26	0.12
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	29	0.12
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	29	0.12
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	29	0.12
(1,1514)	1:66:A:MET:HE1	1:66:A:MET:H	40	0.12
(1,1514)	1:66:A:MET:HE2	1:66:A:MET:H	40	0.12
(1,1514)	1:66:A:MET:HE3	1:66:A:MET:H	40	0.12
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	3	0.12
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	3	0.12
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	18	0.12
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	18	0.12
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	18	0.12
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	32	0.12
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	32	0.12
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	32	0.12
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	34	0.12
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	34	0.12
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	34	0.12
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	7	0.12
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	7	0.12
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	7	0.12
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	10	0.12
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	10	0.12
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	10	0.12
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	34	0.12
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	34	0.12
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	34	0.12
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	38	0.12
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	38	0.12
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	38	0.12
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	6	0.12
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	6	0.12
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	6	0.12
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	6	0.12
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	6	0.12
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	6	0.12
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	15	0.12
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	15	0.12
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	15	0.12
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	15	0.12
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	15	0.12
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	15	0.12
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	3	0.12
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	3	0.12
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	3	0.12
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	26	0.12
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	26	0.12
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	26	0.12
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	31	0.12
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	31	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	31	0.12
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	32	0.12
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	32	0.12
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	32	0.12
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	14	0.12
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	14	0.12
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	14	0.12
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	32	0.12
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	32	0.12
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	32	0.12
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	34	0.12
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	34	0.12
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	34	0.12
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	2	0.12
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	2	0.12
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	2	0.12
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	6	0.12
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	6	0.12
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	6	0.12
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	7	0.12
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	7	0.12
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	7	0.12
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	10	0.12
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	10	0.12
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	10	0.12
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	12	0.12
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	12	0.12
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	12	0.12
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	21	0.12
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	21	0.12
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	21	0.12
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	24	0.12
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	24	0.12
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	24	0.12
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	28	0.12
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	28	0.12
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	28	0.12
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	40	0.12
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	40	0.12
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	40	0.12
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	1	0.12
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	1	0.12
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	8	0.12
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	8	0.12
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	8	0.12
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	16	0.12
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	16	0.12
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	16	0.12
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	18	0.12
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	18	0.12
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	18	0.12
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	21	0.12
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	21	0.12
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	21	0.12
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	26	0.12
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	26	0.12
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	26	0.12
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	28	0.12
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	28	0.12
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	28	0.12
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	35	0.12
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	35	0.12
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	35	0.12
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	36	0.12
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	36	0.12
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	36	0.12
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	37	0.12
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	37	0.12
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	37	0.12
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	40	0.12
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	40	0.12
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	40	0.12
(1,1484)	1:81:A:VAL:HB	1:42:A:TRP:HE1	17	0.12
(1,1484)	1:81:A:VAL:HB	1:42:A:TRP:HE1	18	0.12
(1,1484)	1:81:A:VAL:HB	1:42:A:TRP:HE1	20	0.12
(1,1420)	1:21:A:VAL:HG21	1:19:A:ILE:HD11	5	0.12
(1,1420)	1:21:A:VAL:HG21	1:19:A:ILE:HD12	5	0.12
(1,1420)	1:21:A:VAL:HG21	1:19:A:ILE:HD13	5	0.12
(1,1420)	1:21:A:VAL:HG22	1:19:A:ILE:HD11	5	0.12
(1,1420)	1:21:A:VAL:HG22	1:19:A:ILE:HD12	5	0.12
(1,1420)	1:21:A:VAL:HG22	1:19:A:ILE:HD13	5	0.12
(1,1420)	1:21:A:VAL:HG23	1:19:A:ILE:HD11	5	0.12
(1,1420)	1:21:A:VAL:HG23	1:19:A:ILE:HD12	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1420)	1:21:A:VAL:HG23	1:19:A:ILE:HD13	5	0.12
(1,1408)	1:20:A:VAL:HG11	1:100:A:GLU:HA	6	0.12
(1,1408)	1:20:A:VAL:HG12	1:100:A:GLU:HA	6	0.12
(1,1408)	1:20:A:VAL:HG13	1:100:A:GLU:HA	6	0.12
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	8	0.12
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	8	0.12
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	8	0.12
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	22	0.12
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	22	0.12
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	22	0.12
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	26	0.12
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	26	0.12
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	26	0.12
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	28	0.12
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	28	0.12
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	28	0.12
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	19	0.12
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	19	0.12
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	19	0.12
(1,1400)	1:95:A:ALA:HB1	1:16:A:ILE:HG12	30	0.12
(1,1400)	1:95:A:ALA:HB2	1:16:A:ILE:HG12	30	0.12
(1,1400)	1:95:A:ALA:HB3	1:16:A:ILE:HG12	30	0.12
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	12	0.12
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	12	0.12
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	12	0.12
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	19	0.12
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	19	0.12
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	19	0.12
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	24	0.12
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	24	0.12
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	24	0.12
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	25	0.12
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	25	0.12
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	25	0.12
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	40	0.12
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	40	0.12
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	40	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	4	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	4	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	4	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	4	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	4	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	4	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	4	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	4	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	8	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	8	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	8	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	8	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	8	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	8	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	8	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	8	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	8	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	10	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	10	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	10	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	10	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	10	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	10	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	10	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	10	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	10	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	12	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	12	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	12	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	12	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	12	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	12	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	12	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	12	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	12	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	17	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	17	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	17	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	17	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	17	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	17	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	17	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	17	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	17	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	21	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	21	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	21	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	21	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	21	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	21	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	21	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	21	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	21	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	23	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	23	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	23	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	23	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	23	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	23	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	23	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	23	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	23	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	27	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	27	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	27	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	27	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	27	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	27	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	27	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	27	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	27	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	28	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	28	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	28	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	28	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	28	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	28	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	28	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	28	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	28	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	29	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	29	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	29	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	29	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	29	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	29	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	29	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	29	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	29	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	32	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	32	0.12
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	32	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	32	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	32	0.12
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	32	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	32	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	32	0.12
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	32	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	4	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	4	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	4	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	4	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	4	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	4	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	4	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	4	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	4	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	8	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	8	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	8	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	8	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	8	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	8	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	8	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	8	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	8	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	10	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	10	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	10	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	10	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	10	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	10	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	10	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	10	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	10	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	12	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	12	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	12	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	12	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	12	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	12	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	12	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	12	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	17	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	17	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	17	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	17	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	17	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	17	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	17	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	17	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	17	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	21	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	21	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	21	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	21	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	21	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	21	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	21	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	21	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	21	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	23	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	23	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	23	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	23	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	23	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	23	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	23	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	23	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	23	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	27	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	27	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	27	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	27	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	27	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	27	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	27	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	27	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	27	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	28	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	28	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	28	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	28	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	28	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	28	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	28	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	28	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	28	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	29	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	29	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	29	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	29	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	29	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	29	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	29	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	29	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	29	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	32	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	32	0.12
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	32	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	32	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	32	0.12
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	32	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	32	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	32	0.12
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	32	0.12
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	7	0.12
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	24	0.12
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	3	0.12
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	3	0.12
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	3	0.12
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	4	0.12
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	4	0.12
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	4	0.12
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	10	0.12
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	10	0.12
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	10	0.12
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	19	0.12
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	19	0.12
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	19	0.12
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	20	0.12
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	20	0.12
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	24	0.12
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	24	0.12
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	24	0.12
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	30	0.12
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	30	0.12
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	30	0.12
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	31	0.12
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	31	0.12
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	31	0.12
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	33	0.12
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	33	0.12
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	33	0.12
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	35	0.12
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	35	0.12
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	35	0.12
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	36	0.12
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	36	0.12
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	36	0.12
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	37	0.12
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	37	0.12
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	37	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	2	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	2	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	2	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	4	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	4	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	4	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	5	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	5	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	5	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	7	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	7	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	7	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	8	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	8	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	8	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	9	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	9	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	9	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	10	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	10	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	11	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	11	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	11	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	12	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	12	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	12	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	13	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	13	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	13	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	16	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	16	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	16	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	17	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	17	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	17	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	18	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	18	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	18	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	21	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	21	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	21	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	22	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	22	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	22	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	24	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	24	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	24	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	25	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	25	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	25	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	26	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	26	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	26	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	27	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	27	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	27	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	29	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	29	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	29	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	30	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	30	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	30	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	31	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	31	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	31	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	32	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	32	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	32	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	33	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	33	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	33	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	34	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	34	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	34	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	35	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	35	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	35	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	36	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	36	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	36	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	37	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	37	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	37	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	38	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	38	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	38	0.12
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	39	0.12
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	39	0.12
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	39	0.12
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	18	0.12
(1,1325)	1:19:A:ILE:HB	1:20:A:VAL:H	34	0.12
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	6	0.12
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	12	0.12
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	13	0.12
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	16	0.12
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	19	0.12
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	23	0.12
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	26	0.12
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	31	0.12
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	40	0.12
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	20	0.12
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	20	0.12
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	20	0.12
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	30	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	30	0.12
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	30	0.12
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	6	0.12
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	6	0.12
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	6	0.12
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	6	0.12
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	6	0.12
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	6	0.12
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	6	0.12
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	6	0.12
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	6	0.12
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	23	0.12
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	23	0.12
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	23	0.12
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	23	0.12
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	23	0.12
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	23	0.12
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	23	0.12
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	23	0.12
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	23	0.12
(1,1289)	1:40:A:VAL:HG21	1:42:A:TRP:HE1	29	0.12
(1,1289)	1:40:A:VAL:HG22	1:42:A:TRP:HE1	29	0.12
(1,1289)	1:40:A:VAL:HG23	1:42:A:TRP:HE1	29	0.12
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	20	0.12
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	20	0.12
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	20	0.12
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	30	0.12
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	30	0.12
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	30	0.12
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	16	0.12
(1,1270)	1:5:A:PHE:HB2	1:5:A:PHE:HB3	33	0.12
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	16	0.12
(1,1269)	1:5:A:PHE:HB3	1:5:A:PHE:HB2	33	0.12
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	12	0.12
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	12	0.12
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	12	0.12
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	12	0.12
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	12	0.12
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	12	0.12
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	12	0.12
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	12	0.12
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	23	0.12
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	23	0.12
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	23	0.12
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	23	0.12
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	23	0.12
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	23	0.12
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	23	0.12
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	23	0.12
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	23	0.12
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	33	0.12
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	33	0.12
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	33	0.12
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	33	0.12
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	33	0.12
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	33	0.12
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	33	0.12
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	33	0.12
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	33	0.12
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	17	0.12
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	17	0.12
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	17	0.12
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	17	0.12
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	17	0.12
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	17	0.12
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	1	0.12
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	1	0.12
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	1	0.12
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	5	0.12
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	5	0.12
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	5	0.12
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	8	0.12
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	8	0.12
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	8	0.12
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	15	0.12
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	15	0.12
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	15	0.12
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	18	0.12
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	18	0.12
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	18	0.12
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	22	0.12
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	22	0.12
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	22	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	27	0.12
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	27	0.12
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	27	0.12
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	39	0.12
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	39	0.12
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	39	0.12
(1,1261)	1:67:A:THR:HG21	1:56:A:ASN:H	14	0.12
(1,1261)	1:67:A:THR:HG22	1:56:A:ASN:H	14	0.12
(1,1261)	1:67:A:THR:HG23	1:56:A:ASN:H	14	0.12
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	12	0.12
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	12	0.12
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	12	0.12
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	22	0.12
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	22	0.12
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	22	0.12
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	3	0.12
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	3	0.12
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	3	0.12
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	28	0.12
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	28	0.12
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	28	0.12
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	39	0.12
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	39	0.12
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	39	0.12
(1,1236)	1:13:A:THR:HG21	1:34:A:SER:HB3	22	0.12
(1,1236)	1:13:A:THR:HG22	1:34:A:SER:HB3	22	0.12
(1,1236)	1:13:A:THR:HG23	1:34:A:SER:HB3	22	0.12
(1,1236)	1:13:A:THR:HG21	1:34:A:SER:HB3	31	0.12
(1,1236)	1:13:A:THR:HG22	1:34:A:SER:HB3	31	0.12
(1,1236)	1:13:A:THR:HG23	1:34:A:SER:HB3	31	0.12
(1,1228)	1:89:A:GLY:H	1:9:A:PRO:HG3	26	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	1	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	1	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	1	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	4	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	4	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	4	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	7	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	7	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	7	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	11	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	11	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	17	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	17	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	17	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	23	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	23	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	23	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	25	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	25	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	25	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	29	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	29	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	29	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	37	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	37	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	37	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	39	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	39	0.12
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	39	0.12
(1,1213)	1:66:A:MET:H	1:28:A:THR:HA	6	0.12
(1,1208)	1:56:A:ASN:H	1:66:A:MET:HG2	1	0.12
(1,1204)	1:42:A:TRP:H	1:57:A:PHE:HE1	12	0.12
(1,1204)	1:42:A:TRP:H	1:57:A:PHE:HE2	12	0.12
(1,1204)	1:42:A:TRP:H	1:57:A:PHE:HE1	19	0.12
(1,1204)	1:42:A:TRP:H	1:57:A:PHE:HE2	19	0.12
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	14	0.12
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	15	0.12
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	16	0.12
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	23	0.12
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	39	0.12
(1,1174)	1:91:A:ALA:H	1:84:A:ARG:HA	35	0.12
(1,1163)	1:75:A:ASP:H	1:74:A:ASP:HB2	28	0.12
(1,1149)	1:54:A:LYS:H	1:53:A:GLN:HG3	20	0.12
(1,1149)	1:54:A:LYS:H	1:53:A:GLN:HG3	33	0.12
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	39	0.12
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	21	0.12
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	23	0.12
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	24	0.12
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	27	0.12
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	29	0.12
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	33	0.12
(1,1095)	1:74:A:ASP:H	1:73:A:PRO:HA	40	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1064)	1:71:A:VAL:H	1:25:A:GLN:H	18	0.12
(1,1064)	1:71:A:VAL:H	1:25:A:GLN:H	39	0.12
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	11	0.12
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	14	0.12
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	15	0.12
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	25	0.12
(1,1037)	1:56:A:ASN:HD22	1:56:A:ASN:HA	32	0.12
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	3	0.12
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	7	0.12
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	13	0.12
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	24	0.12
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	25	0.12
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	32	0.12
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	40	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	5	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	5	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	5	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	8	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	8	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	8	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	11	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	11	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	11	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	12	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	12	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	12	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	14	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	14	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	14	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	24	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	24	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	24	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	27	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	27	0.12
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	27	0.12
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	11	0.12
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	12	0.12
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	26	0.12
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	36	0.12
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	18	0.12
(1,978)	1:20:A:VAL:H	1:19:A:ILE:HB	34	0.12
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG21	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG22	7	0.12
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG23	7	0.12
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG21	34	0.12
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG22	34	0.12
(1,971)	1:21:A:VAL:H	1:21:A:VAL:HG23	34	0.12
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	2	0.12
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	4	0.12
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	20	0.12
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	22	0.12
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	25	0.12
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	31	0.12
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	40	0.12
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	10	0.12
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	37	0.12
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	39	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	13	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	13	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	13	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	24	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	24	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	24	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	26	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	26	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	26	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	28	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	28	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	28	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	30	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	30	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	30	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	31	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	31	0.12
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	31	0.12
(1,932)	1:98:A:LYS:H	1:19:A:ILE:HB	14	0.12
(1,915)	1:37:A:ASP:H	1:37:A:ASP:HA	18	0.12
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	1	0.12
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	8	0.12
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	9	0.12
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	12	0.12
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	14	0.12
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	39	0.12
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	35	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	22	0.12
(1,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	37	0.12
(1,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	38	0.12
(1,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	40	0.12
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	2	0.12
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	2	0.12
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	2	0.12
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	13	0.12
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	13	0.12
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	13	0.12
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	23	0.12
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	23	0.12
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	23	0.12
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	35	0.12
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	35	0.12
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	35	0.12
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	18	0.12
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	18	0.12
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	18	0.12
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	1	0.12
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	2	0.12
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	3	0.12
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	30	0.12
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	32	0.12
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	10	0.12
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	16	0.12
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	23	0.12
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	24	0.12
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	25	0.12
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	40	0.12
(1,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	21	0.12
(1,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	34	0.12
(1,683)	1:23:A:GLU:H	1:22:A:SER:HB3	7	0.12
(1,672)	1:72:A:THR:H	1:73:A:PRO:HD2	17	0.12
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	1	0.12
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	7	0.12
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	10	0.12
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	19	0.12
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	28	0.12
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	5	0.12
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	10	0.12
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	31	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	12	0.12
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	13	0.12
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	18	0.12
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	20	0.12
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	30	0.12
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	35	0.12
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	36	0.12
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	37	0.12
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	14	0.12
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	16	0.12
(1,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	12	0.12
(1,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	19	0.12
(1,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	29	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	1	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	1	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	1	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	3	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	3	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	3	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	4	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	4	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	4	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	7	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	7	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	7	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	12	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	12	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	12	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	13	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	13	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	13	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	15	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	15	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	15	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	16	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	16	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	16	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	27	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	27	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	27	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	32	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	32	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	32	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	33	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	33	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	33	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	37	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	37	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	37	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	38	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	38	0.12
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	38	0.12
(1,560)	1:47:A:THR:H	1:47:A:THR:HA	11	0.12
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	12	0.12
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	12	0.12
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	31	0.12
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	31	0.12
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	36	0.12
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	36	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	11	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	11	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	11	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	16	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	16	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	16	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	18	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	18	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	18	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	20	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	20	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	20	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	23	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	23	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	23	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	27	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	27	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	27	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	29	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	29	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	29	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	33	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	33	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	33	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	35	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	35	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	35	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	40	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	40	0.12
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	40	0.12
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	2	0.12
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	7	0.12
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	25	0.12
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	27	0.12
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	30	0.12
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	32	0.12
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	36	0.12
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	40	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	1	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	4	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	7	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	8	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	12	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	13	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	14	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	16	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	20	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	21	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	22	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	23	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	24	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	25	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	26	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	27	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	30	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	31	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	32	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	33	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	35	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	36	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	37	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	38	0.12
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	40	0.12
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	2	0.12
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	8	0.12
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	5	0.12
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	14	0.12
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	15	0.12
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	34	0.12
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	19	0.12
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	21	0.12
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	28	0.12
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	29	0.12
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	20	0.12
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	26	0.12
(1,488)	1:19:A:ILE:H	1:18:A:ASN:HB3	27	0.12
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD21	7	0.12
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD22	7	0.12
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD23	7	0.12
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	5	0.12
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	14	0.12
(1,403)	1:77:A:GLY:H	1:76:A:GLU:HB2	17	0.12
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	6	0.12
(1,394)	1:77:A:GLY:H	1:97:A:LEU:HA	15	0.12
(1,393)	1:77:A:GLY:H	1:96:A:GLU:HA	19	0.12
(1,393)	1:77:A:GLY:H	1:96:A:GLU:HA	37	0.12
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD11	2	0.12
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD12	2	0.12
(1,373)	1:97:A:LEU:H	1:97:A:LEU:HD13	2	0.12
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	8	0.12
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	8	0.12
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	8	0.12
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	22	0.12
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	22	0.12
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	22	0.12
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	26	0.12
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	26	0.12
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	26	0.12
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	6	0.12
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	7	0.12
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	10	0.12
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	15	0.12
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	17	0.12
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	22	0.12
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	23	0.12
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	7	0.12
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	7	0.12
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	10	0.12
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	33	0.12
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	33	0.12
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	3	0.12
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	4	0.12
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	21	0.12
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	24	0.12
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	39	0.12
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	40	0.12
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	5	0.12
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	17	0.12
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	17	0.12
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	17	0.12
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	2	0.12
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	6	0.12
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	7	0.12
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	9	0.12
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	11	0.12
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	19	0.12
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	20	0.12
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	21	0.12
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	23	0.12
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	25	0.12
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	27	0.12
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	33	0.12
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	38	0.12
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	39	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	2	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	2	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	5	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	5	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	10	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	10	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	23	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	23	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	29	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	29	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	30	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	30	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	36	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	36	0.12
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	37	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	37	0.12
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	13	0.12
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	17	0.12
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	21	0.12
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	24	0.12
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	25	0.12
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	30	0.12
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	35	0.12
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	40	0.12
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	25	0.12
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	25	0.12
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	25	0.12
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	30	0.12
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	30	0.12
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	30	0.12
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	34	0.12
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	34	0.12
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	34	0.12
(1,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	16	0.12
(1,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	20	0.12
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	22	0.12
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	35	0.12
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	39	0.12
(1,111)	1:63:A:CYS:H	1:60:A:ASP:H	3	0.12
(1,111)	1:63:A:CYS:H	1:60:A:ASP:H	26	0.12
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	25	0.12
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	26	0.12
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	27	0.12
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	32	0.12
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	33	0.12
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	37	0.12
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	39	0.12
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	2	0.12
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	4	0.12
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	18	0.12
(1,25)	1:89:A:GLY:H	1:88:A:ARG:HB3	6	0.12
(1,25)	1:89:A:GLY:H	1:88:A:ARG:HB3	9	0.12
(3,3217)	1:69:A:HIS:HE1	1:67:A:THR:HB	24	0.11
(3,3217)	1:69:A:HIS:HE1	1:67:A:THR:HB	28	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	5	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	5	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	11	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	13	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	13	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	20	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	20	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	23	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	23	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	26	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	26	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	30	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	30	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	31	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	31	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	37	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	37	0.11
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	25	0.11
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	25	0.11
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	25	0.11
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	25	0.11
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	25	0.11
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	25	0.11
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	32	0.11
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	32	0.11
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	32	0.11
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	32	0.11
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	32	0.11
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	32	0.11
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	34	0.11
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	34	0.11
(3,3206)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	34	0.11
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	34	0.11
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	34	0.11
(3,3206)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	34	0.11
(3,3203)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	1	0.11
(3,3203)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	18	0.11
(3,3203)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	28	0.11
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	9	0.11
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	9	0.11
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	9	0.11
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	22	0.11
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	22	0.11
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	22	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	13	0.11
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	13	0.11
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	13	0.11
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	13	0.11
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	14	0.11
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	14	0.11
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	14	0.11
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	14	0.11
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	34	0.11
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	34	0.11
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	34	0.11
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	34	0.11
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	37	0.11
(3,3196)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	37	0.11
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	37	0.11
(3,3196)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	37	0.11
(3,3191)	1:43:A:TYR:HD1	1:44:A:LYS:H	31	0.11
(3,3191)	1:43:A:TYR:HD2	1:44:A:LYS:H	31	0.11
(3,3183)	1:42:A:TRP:HE1	1:81:A:VAL:HB	29	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	2	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	2	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	2	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	4	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	4	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	4	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	14	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	14	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	14	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	23	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	23	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	23	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	24	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	24	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	24	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	32	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	32	0.11
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	32	0.11
(3,3175)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	14	0.11
(3,3164)	1:42:A:TRP:HD1	1:41:A:THR:HA	39	0.11
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	10	0.11
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	10	0.11
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	14	0.11
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	18	0.11
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	18	0.11
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	26	0.11
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	26	0.11
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	38	0.11
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	38	0.11
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	1	0.11
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	1	0.11
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	3	0.11
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	3	0.11
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	5	0.11
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	5	0.11
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	13	0.11
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	13	0.11
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	22	0.11
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	22	0.11
(3,3139)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	20	0.11
(3,3139)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	20	0.11
(3,3139)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	30	0.11
(3,3139)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	30	0.11
(3,3139)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	33	0.11
(3,3139)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	33	0.11
(3,3138)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	30	0.11
(3,3138)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	30	0.11
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	31	0.11
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	31	0.11
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	40	0.11
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	40	0.11
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	6	0.11
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	6	0.11
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	6	0.11
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	6	0.11
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	6	0.11
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	6	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	3	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	3	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	3	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	3	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	3	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	3	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	5	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	5	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	5	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	5	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	5	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	10	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	10	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	10	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	10	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	10	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	10	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	19	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	19	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	19	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	19	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	19	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	19	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	21	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	21	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	21	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	21	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	21	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	21	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	33	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	33	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	33	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	33	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	33	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	33	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	40	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	40	0.11
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	40	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	40	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	40	0.11
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	40	0.11
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	5	0.11
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	5	0.11
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	5	0.11
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	5	0.11
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	30	0.11
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	30	0.11
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	30	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	30	0.11
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	33	0.11
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	33	0.11
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	33	0.11
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	33	0.11
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	35	0.11
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	35	0.11
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	35	0.11
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	35	0.11
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	38	0.11
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	38	0.11
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	38	0.11
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	38	0.11
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	40	0.11
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	40	0.11
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	40	0.11
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	40	0.11
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	2	0.11
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	2	0.11
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	2	0.11
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	2	0.11
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	2	0.11
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	2	0.11
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	18	0.11
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	18	0.11
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	18	0.11
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	18	0.11
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	18	0.11
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	18	0.11
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	30	0.11
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	30	0.11
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	30	0.11
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	30	0.11
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	30	0.11
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	30	0.11
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	34	0.11
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	34	0.11
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	34	0.11
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	34	0.11
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	34	0.11
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	34	0.11
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	38	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	38	0.11
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	38	0.11
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	38	0.11
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	38	0.11
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	38	0.11
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	9	0.11
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	9	0.11
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	9	0.11
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	12	0.11
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	12	0.11
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	12	0.11
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	21	0.11
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	21	0.11
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	21	0.11
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	22	0.11
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	22	0.11
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	22	0.11
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	38	0.11
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	38	0.11
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	38	0.11
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	16	0.11
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	16	0.11
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	18	0.11
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	18	0.11
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	36	0.11
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	36	0.11
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	40	0.11
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	40	0.11
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG21	7	0.11
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG22	7	0.11
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG23	7	0.11
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG21	14	0.11
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG22	14	0.11
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG23	14	0.11
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	1	0.11
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	1	0.11
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	6	0.11
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	6	0.11
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	18	0.11
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	18	0.11
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	27	0.11
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	27	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	5	0.11
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	5	0.11
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	13	0.11
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	13	0.11
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	17	0.11
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	17	0.11
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	21	0.11
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	21	0.11
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	33	0.11
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	33	0.11
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	35	0.11
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	35	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	6	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	6	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	6	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	9	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	9	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	9	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	10	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	10	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	10	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	15	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	15	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	15	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	16	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	16	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	16	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	17	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	17	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	17	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	20	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	20	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	20	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	21	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	21	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	21	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	24	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	24	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	24	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	29	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	29	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	29	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	33	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	33	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	33	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	39	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	39	0.11
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	39	0.11
(3,3017)	1:102:A:ARG:HD3	1:102:A:ARG:HB2	24	0.11
(3,3017)	1:102:A:ARG:HD3	1:102:A:ARG:HB2	28	0.11
(3,3017)	1:102:A:ARG:HD3	1:102:A:ARG:HB2	30	0.11
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	12	0.11
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	12	0.11
(3,3012)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	12	0.11
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	3	0.11
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	29	0.11
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	34	0.11
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	37	0.11
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	6	0.11
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	9	0.11
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	30	0.11
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	35	0.11
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	38	0.11
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	9	0.11
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	12	0.11
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	27	0.11
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	40	0.11
(3,2949)	1:90:A:GLU:HA	1:84:A:ARG:HA	4	0.11
(3,2949)	1:90:A:GLU:HA	1:84:A:ARG:HA	8	0.11
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	10	0.11
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	10	0.11
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	14	0.11
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	14	0.11
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	18	0.11
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	18	0.11
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	26	0.11
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	26	0.11
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	38	0.11
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	38	0.11
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	6	0.11
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	10	0.11
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	21	0.11
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	28	0.11
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	37	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	40	0.11
(3,2917)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	6	0.11
(3,2917)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	26	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	1	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	2	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	3	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	7	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	8	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	9	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	10	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	14	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	15	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	18	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	19	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	20	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	22	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	23	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	25	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	26	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	28	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	30	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	31	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	32	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	34	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	36	0.11
(3,2894)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	37	0.11
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	5	0.11
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	9	0.11
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	19	0.11
(3,2875)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	29	0.11
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	6	0.11
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	9	0.11
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	22	0.11
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	24	0.11
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	25	0.11
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	31	0.11
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	32	0.11
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	33	0.11
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	36	0.11
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	37	0.11
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	38	0.11
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	40	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	7	0.11
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	31	0.11
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	1	0.11
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	3	0.11
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	8	0.11
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	21	0.11
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	25	0.11
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	28	0.11
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	31	0.11
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	32	0.11
(3,2792)	1:100:A:GLU:HG2	1:100:A:GLU:H	38	0.11
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	13	0.11
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	29	0.11
(3,2748)	1:86:A:GLU:HG3	1:87:A:PRO:HA	3	0.11
(3,2720)	1:48:A:GLU:HA	1:41:A:THR:HG21	12	0.11
(3,2720)	1:48:A:GLU:HA	1:41:A:THR:HG22	12	0.11
(3,2720)	1:48:A:GLU:HA	1:41:A:THR:HG23	12	0.11
(3,2719)	1:48:A:GLU:HA	1:49:A:LEU:HG	26	0.11
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	9	0.11
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	11	0.11
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	14	0.11
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	20	0.11
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	29	0.11
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	35	0.11
(3,2717)	1:48:A:GLU:HA	1:48:A:GLU:HG3	39	0.11
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	2	0.11
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	5	0.11
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	8	0.11
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	12	0.11
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	13	0.11
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	19	0.11
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	20	0.11
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	23	0.11
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	24	0.11
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	28	0.11
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	31	0.11
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	36	0.11
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	38	0.11
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	39	0.11
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	7	0.11
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	5	0.11
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	9	0.11
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	10	0.11
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	15	0.11
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	16	0.11
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	21	0.11
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	23	0.11
(3,2683)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	24	0.11
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	9	0.11
(3,2679)	1:25:A:GLN:HG3	1:26:A:SER:H	17	0.11
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	13	0.11
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	13	0.11
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	13	0.11
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	18	0.11
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	18	0.11
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	18	0.11
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	35	0.11
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	35	0.11
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	35	0.11
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	38	0.11
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	38	0.11
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	38	0.11
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	13	0.11
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	14	0.11
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	16	0.11
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	20	0.11
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	21	0.11
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	30	0.11
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	33	0.11
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	25	0.11
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	26	0.11
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	29	0.11
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	30	0.11
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	31	0.11
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	37	0.11
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	38	0.11
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	39	0.11
(3,2613)	1:60:A:ASP:HB3	1:60:A:ASP:H	20	0.11
(3,2613)	1:60:A:ASP:HB3	1:60:A:ASP:H	21	0.11
(3,2613)	1:60:A:ASP:HB3	1:60:A:ASP:H	23	0.11
(3,2613)	1:60:A:ASP:HB3	1:60:A:ASP:H	24	0.11
(3,2613)	1:60:A:ASP:HB3	1:60:A:ASP:H	26	0.11
(3,2613)	1:60:A:ASP:HB3	1:60:A:ASP:H	30	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2613)	1:60:A:ASP:HB3	1:60:A:ASP:H	33	0.11
(3,2612)	1:60:A:ASP:HB3	1:60:A:ASP:H	20	0.11
(3,2612)	1:60:A:ASP:HB3	1:60:A:ASP:H	21	0.11
(3,2612)	1:60:A:ASP:HB3	1:60:A:ASP:H	23	0.11
(3,2612)	1:60:A:ASP:HB3	1:60:A:ASP:H	24	0.11
(3,2612)	1:60:A:ASP:HB3	1:60:A:ASP:H	26	0.11
(3,2612)	1:60:A:ASP:HB3	1:60:A:ASP:H	30	0.11
(3,2612)	1:60:A:ASP:HB3	1:60:A:ASP:H	33	0.11
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	31	0.11
(3,2529)	1:87:A:PRO:HB3	1:86:A:GLU:HA	28	0.11
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	21	0.11
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	22	0.11
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	24	0.11
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	25	0.11
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	27	0.11
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	29	0.11
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	30	0.11
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	31	0.11
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	32	0.11
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	34	0.11
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	35	0.11
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	36	0.11
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	37	0.11
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	38	0.11
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	39	0.11
(3,2501)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	40	0.11
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	26	0.11
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	29	0.11
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	33	0.11
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	35	0.11
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	36	0.11
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	37	0.11
(3,2494)	1:9:A:PRO:HB2	1:9:A:PRO:HA	39	0.11
(3,2482)	1:9:A:PRO:HD2	1:8:A:GLU:HA	3	0.11
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	6	0.11
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	7	0.11
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	30	0.11
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	31	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	1	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	1	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	1	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	3	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	3	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	4	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	4	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	4	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	5	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	5	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	5	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	6	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	6	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	6	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	7	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	7	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	7	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	8	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	8	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	8	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	9	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	9	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	9	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	10	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	10	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	10	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	12	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	12	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	12	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	13	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	13	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	13	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	14	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	14	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	14	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	15	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	15	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	15	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	16	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	16	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	16	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	17	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	17	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	17	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	18	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	18	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	19	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	19	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	19	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	20	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	20	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	20	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	21	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	21	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	21	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	22	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	22	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	22	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	23	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	23	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	23	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	25	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	25	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	25	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	26	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	26	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	26	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	27	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	27	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	27	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	28	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	28	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	28	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	29	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	29	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	29	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	30	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	30	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	30	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	31	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	31	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	31	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	32	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	32	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	32	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	33	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	33	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	33	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	34	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	34	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	34	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	35	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	35	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	35	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	37	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	37	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	37	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	39	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	39	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	39	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD11	40	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD12	40	0.11
(3,2427)	1:39:A:ILE:HB	1:39:A:ILE:HD13	40	0.11
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	3	0.11
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	4	0.11
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	7	0.11
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	37	0.11
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	38	0.11
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	39	0.11
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	39	0.11
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	39	0.11
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	39	0.11
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	6	0.11
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	6	0.11
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	6	0.11
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	33	0.11
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	33	0.11
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	33	0.11
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG21	11	0.11
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG22	11	0.11
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG23	11	0.11
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG21	23	0.11
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG22	23	0.11
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG23	23	0.11
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG21	30	0.11
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG22	30	0.11
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG23	30	0.11
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	26	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	26	0.11
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	26	0.11
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	39	0.11
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	39	0.11
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	39	0.11
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	24	0.11
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	24	0.11
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	24	0.11
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	32	0.11
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	32	0.11
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	32	0.11
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	11	0.11
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	25	0.11
(3,2102)	1:40:A:VAL:HG21	1:83:A:ALA:HA	6	0.11
(3,2102)	1:40:A:VAL:HG22	1:83:A:ALA:HA	6	0.11
(3,2102)	1:40:A:VAL:HG23	1:83:A:ALA:HA	6	0.11
(3,2102)	1:40:A:VAL:HG21	1:83:A:ALA:HA	20	0.11
(3,2102)	1:40:A:VAL:HG22	1:83:A:ALA:HA	20	0.11
(3,2102)	1:40:A:VAL:HG23	1:83:A:ALA:HA	20	0.11
(3,2102)	1:40:A:VAL:HG21	1:83:A:ALA:HA	33	0.11
(3,2102)	1:40:A:VAL:HG22	1:83:A:ALA:HA	33	0.11
(3,2102)	1:40:A:VAL:HG23	1:83:A:ALA:HA	33	0.11
(3,2102)	1:40:A:VAL:HG21	1:83:A:ALA:HA	34	0.11
(3,2102)	1:40:A:VAL:HG22	1:83:A:ALA:HA	34	0.11
(3,2102)	1:40:A:VAL:HG23	1:83:A:ALA:HA	34	0.11
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	7	0.11
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	7	0.11
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	7	0.11
(3,2099)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	19	0.11
(3,2099)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	19	0.11
(3,2099)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	19	0.11
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	1	0.11
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	1	0.11
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	1	0.11
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	1	0.11
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	1	0.11
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	1	0.11
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	16	0.11
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	16	0.11
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	16	0.11
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	16	0.11
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	16	0.11
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	17	0.11
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	17	0.11
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	17	0.11
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	17	0.11
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	17	0.11
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	17	0.11
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	18	0.11
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	18	0.11
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	18	0.11
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	18	0.11
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	18	0.11
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	18	0.11
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	23	0.11
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	23	0.11
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	23	0.11
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	23	0.11
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	23	0.11
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	23	0.11
(3,2075)	1:97:A:LEU:HB2	1:19:A:ILE:HB	17	0.11
(3,2075)	1:97:A:LEU:HB2	1:19:A:ILE:HB	29	0.11
(3,2074)	1:94:A:THR:HG21	1:80:A:SER:HB3	28	0.11
(3,2074)	1:94:A:THR:HG22	1:80:A:SER:HB3	28	0.11
(3,2074)	1:94:A:THR:HG23	1:80:A:SER:HB3	28	0.11
(3,2059)	1:78:A:VAL:HG11	1:96:A:GLU:HG2	11	0.11
(3,2059)	1:78:A:VAL:HG12	1:96:A:GLU:HG2	11	0.11
(3,2059)	1:78:A:VAL:HG13	1:96:A:GLU:HG2	11	0.11
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	27	0.11
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	27	0.11
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	27	0.11
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	27	0.11
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	27	0.11
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	27	0.11
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	27	0.11
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	27	0.11
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	27	0.11
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	29	0.11
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	29	0.11
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	29	0.11
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	29	0.11
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	29	0.11
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	29	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	29	0.11
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	29	0.11
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	29	0.11
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	36	0.11
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	36	0.11
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	36	0.11
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	36	0.11
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	36	0.11
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	36	0.11
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	36	0.11
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	36	0.11
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	36	0.11
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	39	0.11
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	39	0.11
(3,2058)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	39	0.11
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	39	0.11
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	39	0.11
(3,2058)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	39	0.11
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	39	0.11
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	39	0.11
(3,2058)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	39	0.11
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	7	0.11
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	7	0.11
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	7	0.11
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	7	0.11
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	7	0.11
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	7	0.11
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	28	0.11
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	28	0.11
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	28	0.11
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	28	0.11
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	28	0.11
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	28	0.11
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	39	0.11
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	39	0.11
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	39	0.11
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	39	0.11
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	39	0.11
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	39	0.11
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	4	0.11
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	4	0.11
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	6	0.11
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	6	0.11
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	6	0.11
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	10	0.11
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	10	0.11
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	10	0.11
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	24	0.11
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	24	0.11
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	24	0.11
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	33	0.11
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	33	0.11
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	33	0.11
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	37	0.11
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	37	0.11
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	37	0.11
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	23	0.11
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	23	0.11
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	23	0.11
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	23	0.11
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	23	0.11
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	23	0.11
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	28	0.11
(3,2024)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	28	0.11
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	28	0.11
(3,2024)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	28	0.11
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	28	0.11
(3,2024)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	28	0.11
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	1	0.11
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	1	0.11
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	6	0.11
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	6	0.11
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	12	0.11
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	12	0.11
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	27	0.11
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	27	0.11
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	39	0.11
(3,2019)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	39	0.11
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	2	0.11
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	2	0.11
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	2	0.11
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	2	0.11
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	2	0.11
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	2	0.11
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	2	0.11
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	2	0.11
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	13	0.11
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	13	0.11
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	13	0.11
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	13	0.11
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	13	0.11
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	13	0.11
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	13	0.11
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	13	0.11
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	13	0.11
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	14	0.11
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	14	0.11
(3,2013)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	14	0.11
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	14	0.11
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	14	0.11
(3,2013)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	14	0.11
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	14	0.11
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	14	0.11
(3,2013)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	14	0.11
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	12	0.11
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	29	0.11
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	38	0.11
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	19	0.11
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	19	0.11
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	19	0.11
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	23	0.11
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	23	0.11
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	23	0.11
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	24	0.11
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	24	0.11
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	24	0.11
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	33	0.11
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	33	0.11
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	33	0.11
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	38	0.11
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	38	0.11
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	38	0.11
(3,1997)	1:21:A:VAL:HG11	1:25:A:GLN:HG3	8	0.11
(3,1997)	1:21:A:VAL:HG12	1:25:A:GLN:HG3	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1997)	1:21:A:VAL:HG13	1:25:A:GLN:HG3	8	0.11
(3,1997)	1:21:A:VAL:HG11	1:25:A:GLN:HG3	16	0.11
(3,1997)	1:21:A:VAL:HG12	1:25:A:GLN:HG3	16	0.11
(3,1997)	1:21:A:VAL:HG13	1:25:A:GLN:HG3	16	0.11
(3,1997)	1:21:A:VAL:HG11	1:25:A:GLN:HG3	33	0.11
(3,1997)	1:21:A:VAL:HG12	1:25:A:GLN:HG3	33	0.11
(3,1997)	1:21:A:VAL:HG13	1:25:A:GLN:HG3	33	0.11
(3,1997)	1:21:A:VAL:HG11	1:25:A:GLN:HG3	38	0.11
(3,1997)	1:21:A:VAL:HG12	1:25:A:GLN:HG3	38	0.11
(3,1997)	1:21:A:VAL:HG13	1:25:A:GLN:HG3	38	0.11
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	10	0.11
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	10	0.11
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	10	0.11
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	13	0.11
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	13	0.11
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	13	0.11
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	31	0.11
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	31	0.11
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	31	0.11
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	32	0.11
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	32	0.11
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	32	0.11
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	37	0.11
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	37	0.11
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	37	0.11
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	39	0.11
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	39	0.11
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	39	0.11
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	18	0.11
(3,1959)	1:72:A:THR:HG21	1:74:A:ASP:HB3	7	0.11
(3,1959)	1:72:A:THR:HG22	1:74:A:ASP:HB3	7	0.11
(3,1959)	1:72:A:THR:HG23	1:74:A:ASP:HB3	7	0.11
(3,1959)	1:72:A:THR:HG21	1:74:A:ASP:HB3	31	0.11
(3,1959)	1:72:A:THR:HG22	1:74:A:ASP:HB3	31	0.11
(3,1959)	1:72:A:THR:HG23	1:74:A:ASP:HB3	31	0.11
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB1	9	0.11
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB2	9	0.11
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB3	9	0.11
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB1	9	0.11
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB2	9	0.11
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB3	9	0.11
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB1	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB2	9	0.11
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB3	9	0.11
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB1	17	0.11
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB2	17	0.11
(3,1955)	1:68:A:ILE:HD11	1:27:A:ALA:HB3	17	0.11
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB1	17	0.11
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB2	17	0.11
(3,1955)	1:68:A:ILE:HD12	1:27:A:ALA:HB3	17	0.11
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB1	17	0.11
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB2	17	0.11
(3,1955)	1:68:A:ILE:HD13	1:27:A:ALA:HB3	17	0.11
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	1	0.11
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	1	0.11
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	1	0.11
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	2	0.11
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	2	0.11
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	2	0.11
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	5	0.11
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	5	0.11
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	5	0.11
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	9	0.11
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	9	0.11
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	9	0.11
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	15	0.11
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	15	0.11
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	15	0.11
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	17	0.11
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	17	0.11
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	17	0.11
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	26	0.11
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	26	0.11
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	26	0.11
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	28	0.11
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	28	0.11
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	28	0.11
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	29	0.11
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	29	0.11
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	29	0.11
(3,1910)	1:68:A:ILE:HG21	1:54:A:LYS:HD2	28	0.11
(3,1910)	1:68:A:ILE:HG22	1:54:A:LYS:HD2	28	0.11
(3,1910)	1:68:A:ILE:HG23	1:54:A:LYS:HD2	28	0.11
(3,1906)	1:66:A:MET:HE1	1:79:A:TYR:HA	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1906)	1:66:A:MET:HE2	1:79:A:TYR:HA	16	0.11
(3,1906)	1:66:A:MET:HE3	1:79:A:TYR:HA	16	0.11
(3,1906)	1:66:A:MET:HE1	1:79:A:TYR:HA	21	0.11
(3,1906)	1:66:A:MET:HE2	1:79:A:TYR:HA	21	0.11
(3,1906)	1:66:A:MET:HE3	1:79:A:TYR:HA	21	0.11
(3,1904)	1:49:A:LEU:HD21	1:44:A:LYS:HG2	2	0.11
(3,1904)	1:49:A:LEU:HD22	1:44:A:LYS:HG2	2	0.11
(3,1904)	1:49:A:LEU:HD23	1:44:A:LYS:HG2	2	0.11
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	7	0.11
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	7	0.11
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	7	0.11
(3,1902)	1:49:A:LEU:HD11	1:43:A:TYR:HA	11	0.11
(3,1902)	1:49:A:LEU:HD12	1:43:A:TYR:HA	11	0.11
(3,1902)	1:49:A:LEU:HD13	1:43:A:TYR:HA	11	0.11
(3,1899)	1:47:A:THR:HG21	1:44:A:LYS:HB3	2	0.11
(3,1899)	1:47:A:THR:HG22	1:44:A:LYS:HB3	2	0.11
(3,1899)	1:47:A:THR:HG23	1:44:A:LYS:HB3	2	0.11
(3,1899)	1:47:A:THR:HG21	1:44:A:LYS:HB3	12	0.11
(3,1899)	1:47:A:THR:HG22	1:44:A:LYS:HB3	12	0.11
(3,1899)	1:47:A:THR:HG23	1:44:A:LYS:HB3	12	0.11
(3,1864)	1:7:A:ALA:HB1	1:88:A:ARG:HA	1	0.11
(3,1864)	1:7:A:ALA:HB2	1:88:A:ARG:HA	1	0.11
(3,1864)	1:7:A:ALA:HB3	1:88:A:ARG:HA	1	0.11
(3,1864)	1:7:A:ALA:HB1	1:88:A:ARG:HA	36	0.11
(3,1864)	1:7:A:ALA:HB2	1:88:A:ARG:HA	36	0.11
(3,1864)	1:7:A:ALA:HB3	1:88:A:ARG:HA	36	0.11
(3,1864)	1:7:A:ALA:HB1	1:88:A:ARG:HA	39	0.11
(3,1864)	1:7:A:ALA:HB2	1:88:A:ARG:HA	39	0.11
(3,1864)	1:7:A:ALA:HB3	1:88:A:ARG:HA	39	0.11
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	22	0.11
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	22	0.11
(3,1721)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	22	0.11
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	22	0.11
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	22	0.11
(3,1721)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	22	0.11
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	22	0.11
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	22	0.11
(3,1721)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	22	0.11
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	6	0.11
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	6	0.11
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	6	0.11
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	7	0.11
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	7	0.11
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	8	0.11
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	8	0.11
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	8	0.11
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	21	0.11
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	21	0.11
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	21	0.11
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	23	0.11
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	23	0.11
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	23	0.11
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	30	0.11
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	30	0.11
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	30	0.11
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	32	0.11
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	32	0.11
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	32	0.11
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	33	0.11
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	33	0.11
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	33	0.11
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	34	0.11
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	34	0.11
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	34	0.11
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	35	0.11
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	35	0.11
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	35	0.11
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	39	0.11
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	39	0.11
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	39	0.11
(3,1712)	1:49:A:LEU:HD21	1:49:A:LEU:H	40	0.11
(3,1712)	1:49:A:LEU:HD22	1:49:A:LEU:H	40	0.11
(3,1712)	1:49:A:LEU:HD23	1:49:A:LEU:H	40	0.11
(3,1710)	1:49:A:LEU:HD21	1:50:A:THR:H	35	0.11
(3,1710)	1:49:A:LEU:HD22	1:50:A:THR:H	35	0.11
(3,1710)	1:49:A:LEU:HD23	1:50:A:THR:H	35	0.11
(3,1700)	1:101:A:LEU:HD21	1:101:A:LEU:HB3	31	0.11
(3,1700)	1:101:A:LEU:HD22	1:101:A:LEU:HB3	31	0.11
(3,1700)	1:101:A:LEU:HD23	1:101:A:LEU:HB3	31	0.11
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	6	0.11
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	6	0.11
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	6	0.11
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	6	0.11
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	6	0.11
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	6	0.11
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	6	0.11
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	6	0.11
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	7	0.11
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	7	0.11
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	7	0.11
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	7	0.11
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	7	0.11
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	7	0.11
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	7	0.11
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	7	0.11
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	7	0.11
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	23	0.11
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	23	0.11
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	23	0.11
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	23	0.11
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	23	0.11
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	23	0.11
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	23	0.11
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	23	0.11
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	23	0.11
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	30	0.11
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	30	0.11
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	30	0.11
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	39	0.11
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	39	0.11
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	39	0.11
(3,1658)	1:40:A:VAL:HB	1:39:A:ILE:HA	2	0.11
(3,1658)	1:40:A:VAL:HB	1:39:A:ILE:HA	24	0.11
(3,1658)	1:40:A:VAL:HB	1:39:A:ILE:HA	36	0.11
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	4	0.11
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	4	0.11
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	4	0.11
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	4	0.11
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	4	0.11
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	4	0.11
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	4	0.11
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	4	0.11
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	4	0.11
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	15	0.11
(3,1643)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	15	0.11
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	15	0.11
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	15	0.11
(3,1643)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	15	0.11
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	15	0.11
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	15	0.11
(3,1643)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	15	0.11
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	17	0.11
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	17	0.11
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	17	0.11
(3,1628)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	31	0.11
(3,1628)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	31	0.11
(3,1628)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	31	0.11
(3,1627)	1:82:A:ILE:HG21	1:84:A:ARG:HG2	20	0.11
(3,1627)	1:82:A:ILE:HG22	1:84:A:ARG:HG2	20	0.11
(3,1627)	1:82:A:ILE:HG23	1:84:A:ARG:HG2	20	0.11
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	6	0.11
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	6	0.11
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	6	0.11
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	6	0.11
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	6	0.11
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	6	0.11
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	3	0.11
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	3	0.11
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	3	0.11
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	3	0.11
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	3	0.11
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	3	0.11
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	6	0.11
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	6	0.11
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	6	0.11
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	6	0.11
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	6	0.11
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	6	0.11
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	29	0.11
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	29	0.11
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	29	0.11
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	29	0.11
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	29	0.11
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	29	0.11
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	21	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	21	0.11
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	21	0.11
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	24	0.11
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	24	0.11
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	24	0.11
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	25	0.11
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	25	0.11
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	25	0.11
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	32	0.11
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	32	0.11
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	32	0.11
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	37	0.11
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	37	0.11
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	37	0.11
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	38	0.11
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	38	0.11
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	38	0.11
(3,1552)	1:10:A:ILE:HG21	1:83:A:ALA:HB1	3	0.11
(3,1552)	1:10:A:ILE:HG21	1:83:A:ALA:HB2	3	0.11
(3,1552)	1:10:A:ILE:HG21	1:83:A:ALA:HB3	3	0.11
(3,1552)	1:10:A:ILE:HG22	1:83:A:ALA:HB1	3	0.11
(3,1552)	1:10:A:ILE:HG22	1:83:A:ALA:HB2	3	0.11
(3,1552)	1:10:A:ILE:HG22	1:83:A:ALA:HB3	3	0.11
(3,1552)	1:10:A:ILE:HG23	1:83:A:ALA:HB1	3	0.11
(3,1552)	1:10:A:ILE:HG23	1:83:A:ALA:HB2	3	0.11
(3,1552)	1:10:A:ILE:HG23	1:83:A:ALA:HB3	3	0.11
(3,1552)	1:10:A:ILE:HG21	1:83:A:ALA:HB1	10	0.11
(3,1552)	1:10:A:ILE:HG21	1:83:A:ALA:HB2	10	0.11
(3,1552)	1:10:A:ILE:HG21	1:83:A:ALA:HB3	10	0.11
(3,1552)	1:10:A:ILE:HG22	1:83:A:ALA:HB1	10	0.11
(3,1552)	1:10:A:ILE:HG22	1:83:A:ALA:HB2	10	0.11
(3,1552)	1:10:A:ILE:HG22	1:83:A:ALA:HB3	10	0.11
(3,1552)	1:10:A:ILE:HG23	1:83:A:ALA:HB1	10	0.11
(3,1552)	1:10:A:ILE:HG23	1:83:A:ALA:HB2	10	0.11
(3,1552)	1:10:A:ILE:HG23	1:83:A:ALA:HB3	10	0.11
(3,1552)	1:10:A:ILE:HG21	1:83:A:ALA:HB1	14	0.11
(3,1552)	1:10:A:ILE:HG21	1:83:A:ALA:HB2	14	0.11
(3,1552)	1:10:A:ILE:HG21	1:83:A:ALA:HB3	14	0.11
(3,1552)	1:10:A:ILE:HG22	1:83:A:ALA:HB1	14	0.11
(3,1552)	1:10:A:ILE:HG22	1:83:A:ALA:HB2	14	0.11
(3,1552)	1:10:A:ILE:HG22	1:83:A:ALA:HB3	14	0.11
(3,1552)	1:10:A:ILE:HG23	1:83:A:ALA:HB1	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1552)	1:10:A:ILE:HG23	1:83:A:ALA:HB2	14	0.11
(3,1552)	1:10:A:ILE:HG23	1:83:A:ALA:HB3	14	0.11
(3,1522)	1:66:A:MET:HE1	1:66:A:MET:HA	6	0.11
(3,1522)	1:66:A:MET:HE2	1:66:A:MET:HA	6	0.11
(3,1522)	1:66:A:MET:HE3	1:66:A:MET:HA	6	0.11
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	9	0.11
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	9	0.11
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	9	0.11
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	14	0.11
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	14	0.11
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	14	0.11
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	22	0.11
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	22	0.11
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	22	0.11
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	25	0.11
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	25	0.11
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	25	0.11
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	30	0.11
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	30	0.11
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	30	0.11
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	2	0.11
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	2	0.11
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	2	0.11
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	4	0.11
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	4	0.11
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	4	0.11
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	14	0.11
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	14	0.11
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	14	0.11
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	23	0.11
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	23	0.11
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	23	0.11
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	24	0.11
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	24	0.11
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	24	0.11
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	32	0.11
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	32	0.11
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	32	0.11
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE1	39	0.11
(3,1513)	1:66:A:MET:HE1	1:79:A:TYR:HE2	39	0.11
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE1	39	0.11
(3,1513)	1:66:A:MET:HE2	1:79:A:TYR:HE2	39	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE1	39	0.11
(3,1513)	1:66:A:MET:HE3	1:79:A:TYR:HE2	39	0.11
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	3	0.11
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	3	0.11
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	3	0.11
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	9	0.11
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	9	0.11
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	9	0.11
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	11	0.11
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	11	0.11
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	11	0.11
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	18	0.11
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	18	0.11
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	18	0.11
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	20	0.11
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	20	0.11
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	20	0.11
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	23	0.11
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	23	0.11
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	23	0.11
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	25	0.11
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	25	0.11
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	25	0.11
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	26	0.11
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	26	0.11
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	26	0.11
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	30	0.11
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	30	0.11
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	30	0.11
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	31	0.11
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	31	0.11
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	31	0.11
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	4	0.11
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	4	0.11
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	4	0.11
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	15	0.11
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	15	0.11
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	15	0.11
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	16	0.11
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	16	0.11
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	16	0.11
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	19	0.11
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	19	0.11
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	29	0.11
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	29	0.11
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	29	0.11
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	33	0.11
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	33	0.11
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	33	0.11
(3,1507)	1:66:A:MET:HE1	1:66:A:MET:HG2	39	0.11
(3,1507)	1:66:A:MET:HE2	1:66:A:MET:HG2	39	0.11
(3,1507)	1:66:A:MET:HE3	1:66:A:MET:HG2	39	0.11
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD11	9	0.11
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD12	9	0.11
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD13	9	0.11
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD11	9	0.11
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD12	9	0.11
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD13	9	0.11
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD11	9	0.11
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD12	9	0.11
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD13	9	0.11
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD11	35	0.11
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD12	35	0.11
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD13	35	0.11
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD11	35	0.11
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD12	35	0.11
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD13	35	0.11
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD11	35	0.11
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD12	35	0.11
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD13	35	0.11
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	12	0.11
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	12	0.11
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	12	0.11
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	15	0.11
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	15	0.11
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	15	0.11
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	23	0.11
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	23	0.11
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	23	0.11
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	33	0.11
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	33	0.11
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	33	0.11
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	39	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	39	0.11
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	39	0.11
(3,1488)	1:81:A:VAL:HB	1:42:A:TRP:HE1	10	0.11
(3,1488)	1:81:A:VAL:HB	1:42:A:TRP:HE1	11	0.11
(3,1488)	1:81:A:VAL:HB	1:42:A:TRP:HE1	34	0.11
(3,1440)	1:33:A:VAL:HG21	1:32:A:GLU:HA	27	0.11
(3,1440)	1:33:A:VAL:HG22	1:32:A:GLU:HA	27	0.11
(3,1440)	1:33:A:VAL:HG23	1:32:A:GLU:HA	27	0.11
(3,1424)	1:21:A:VAL:HG21	1:19:A:ILE:HD11	9	0.11
(3,1424)	1:21:A:VAL:HG21	1:19:A:ILE:HD12	9	0.11
(3,1424)	1:21:A:VAL:HG21	1:19:A:ILE:HD13	9	0.11
(3,1424)	1:21:A:VAL:HG22	1:19:A:ILE:HD11	9	0.11
(3,1424)	1:21:A:VAL:HG22	1:19:A:ILE:HD12	9	0.11
(3,1424)	1:21:A:VAL:HG22	1:19:A:ILE:HD13	9	0.11
(3,1424)	1:21:A:VAL:HG23	1:19:A:ILE:HD11	9	0.11
(3,1424)	1:21:A:VAL:HG23	1:19:A:ILE:HD12	9	0.11
(3,1424)	1:21:A:VAL:HG23	1:19:A:ILE:HD13	9	0.11
(3,1424)	1:21:A:VAL:HG21	1:19:A:ILE:HD11	15	0.11
(3,1424)	1:21:A:VAL:HG21	1:19:A:ILE:HD12	15	0.11
(3,1424)	1:21:A:VAL:HG21	1:19:A:ILE:HD13	15	0.11
(3,1424)	1:21:A:VAL:HG22	1:19:A:ILE:HD11	15	0.11
(3,1424)	1:21:A:VAL:HG22	1:19:A:ILE:HD12	15	0.11
(3,1424)	1:21:A:VAL:HG22	1:19:A:ILE:HD13	15	0.11
(3,1424)	1:21:A:VAL:HG23	1:19:A:ILE:HD11	15	0.11
(3,1424)	1:21:A:VAL:HG23	1:19:A:ILE:HD12	15	0.11
(3,1424)	1:21:A:VAL:HG23	1:19:A:ILE:HD13	15	0.11
(3,1422)	1:21:A:VAL:HG11	1:27:A:ALA:HB1	9	0.11
(3,1422)	1:21:A:VAL:HG11	1:27:A:ALA:HB2	9	0.11
(3,1422)	1:21:A:VAL:HG11	1:27:A:ALA:HB3	9	0.11
(3,1422)	1:21:A:VAL:HG12	1:27:A:ALA:HB1	9	0.11
(3,1422)	1:21:A:VAL:HG12	1:27:A:ALA:HB2	9	0.11
(3,1422)	1:21:A:VAL:HG12	1:27:A:ALA:HB3	9	0.11
(3,1422)	1:21:A:VAL:HG13	1:27:A:ALA:HB1	9	0.11
(3,1422)	1:21:A:VAL:HG13	1:27:A:ALA:HB2	9	0.11
(3,1422)	1:21:A:VAL:HG13	1:27:A:ALA:HB3	9	0.11
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	7	0.11
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	7	0.11
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	7	0.11
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	9	0.11
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	9	0.11
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	9	0.11
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	21	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	21	0.11
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	21	0.11
(3,1407)	1:95:A:ALA:HB1	1:18:A:ASN:H	37	0.11
(3,1407)	1:95:A:ALA:HB2	1:18:A:ASN:H	37	0.11
(3,1407)	1:95:A:ALA:HB3	1:18:A:ASN:H	37	0.11
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	14	0.11
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	14	0.11
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	14	0.11
(3,1405)	1:95:A:ALA:HB1	1:96:A:GLU:H	27	0.11
(3,1405)	1:95:A:ALA:HB2	1:96:A:GLU:H	27	0.11
(3,1405)	1:95:A:ALA:HB3	1:96:A:GLU:H	27	0.11
(3,1400)	1:95:A:ALA:HB1	1:94:A:THR:HA	28	0.11
(3,1400)	1:95:A:ALA:HB2	1:94:A:THR:HA	28	0.11
(3,1400)	1:95:A:ALA:HB3	1:94:A:THR:HA	28	0.11
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	16	0.11
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	16	0.11
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	16	0.11
(3,1391)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	26	0.11
(3,1391)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	26	0.11
(3,1391)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	26	0.11
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	5	0.11
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	5	0.11
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	5	0.11
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	5	0.11
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	5	0.11
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	5	0.11
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	5	0.11
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	5	0.11
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	5	0.11
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	9	0.11
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	9	0.11
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	9	0.11
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	9	0.11
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	9	0.11
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	9	0.11
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	9	0.11
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	9	0.11
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	9	0.11
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	14	0.11
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	14	0.11
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	14	0.11
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	14	0.11
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	14	0.11
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	14	0.11
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	14	0.11
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	14	0.11
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	19	0.11
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	19	0.11
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	19	0.11
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	19	0.11
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	19	0.11
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	19	0.11
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	19	0.11
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	19	0.11
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	19	0.11
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	22	0.11
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	22	0.11
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	22	0.11
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	22	0.11
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	22	0.11
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	22	0.11
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	22	0.11
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	22	0.11
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	22	0.11
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	5	0.11
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	5	0.11
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	5	0.11
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	5	0.11
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	5	0.11
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	5	0.11
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	5	0.11
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	5	0.11
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	5	0.11
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	9	0.11
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	9	0.11
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	9	0.11
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	9	0.11
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	9	0.11
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	9	0.11
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	9	0.11
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	9	0.11
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	9	0.11
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	14	0.11
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	14	0.11
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	14	0.11
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	14	0.11
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	14	0.11
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	14	0.11
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	14	0.11
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	14	0.11
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	19	0.11
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	19	0.11
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	19	0.11
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	19	0.11
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	19	0.11
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	19	0.11
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	19	0.11
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	19	0.11
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	19	0.11
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	22	0.11
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	22	0.11
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	22	0.11
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	22	0.11
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	22	0.11
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	22	0.11
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	22	0.11
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	22	0.11
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	22	0.11
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	7	0.11
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	7	0.11
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	7	0.11
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	10	0.11
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	10	0.11
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	10	0.11
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	15	0.11
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	15	0.11
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	15	0.11
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	16	0.11
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	16	0.11
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	16	0.11
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	22	0.11
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	22	0.11
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	22	0.11
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	27	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	27	0.11
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	27	0.11
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	28	0.11
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	28	0.11
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	28	0.11
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	29	0.11
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	29	0.11
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	29	0.11
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	37	0.11
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	37	0.11
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	37	0.11
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	3	0.11
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	3	0.11
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	3	0.11
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	6	0.11
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	6	0.11
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	6	0.11
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	14	0.11
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	14	0.11
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	14	0.11
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	15	0.11
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	15	0.11
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	15	0.11
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	19	0.11
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	19	0.11
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	19	0.11
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	20	0.11
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	20	0.11
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	20	0.11
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	23	0.11
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	23	0.11
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	23	0.11
(3,1347)	1:16:A:ILE:HD11	1:16:A:ILE:HA	40	0.11
(3,1347)	1:16:A:ILE:HD12	1:16:A:ILE:HA	40	0.11
(3,1347)	1:16:A:ILE:HD13	1:16:A:ILE:HA	40	0.11
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	7	0.11
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	8	0.11
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	14	0.11
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	21	0.11
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	25	0.11
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	30	0.11
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	33	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	37	0.11
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	22	0.11
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	22	0.11
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	22	0.11
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	32	0.11
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	32	0.11
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	32	0.11
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	33	0.11
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	33	0.11
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	33	0.11
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG21	37	0.11
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG22	37	0.11
(3,1295)	1:40:A:VAL:HB	1:81:A:VAL:HG23	37	0.11
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	2	0.11
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	2	0.11
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	2	0.11
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	2	0.11
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	2	0.11
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	2	0.11
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	2	0.11
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	2	0.11
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	2	0.11
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	13	0.11
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	13	0.11
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	13	0.11
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	13	0.11
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	13	0.11
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	13	0.11
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	13	0.11
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	13	0.11
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	13	0.11
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	14	0.11
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	14	0.11
(3,1294)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	14	0.11
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	14	0.11
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	14	0.11
(3,1294)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	14	0.11
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	14	0.11
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	14	0.11
(3,1294)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	14	0.11
(3,1293)	1:40:A:VAL:HG21	1:42:A:TRP:HE1	12	0.11
(3,1293)	1:40:A:VAL:HG22	1:42:A:TRP:HE1	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1293)	1:40:A:VAL:HG23	1:42:A:TRP:HE1	12	0.11
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	22	0.11
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	22	0.11
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	22	0.11
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	32	0.11
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	32	0.11
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	32	0.11
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	33	0.11
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	33	0.11
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	33	0.11
(3,1282)	1:81:A:VAL:HG21	1:40:A:VAL:HB	37	0.11
(3,1282)	1:81:A:VAL:HG22	1:40:A:VAL:HB	37	0.11
(3,1282)	1:81:A:VAL:HG23	1:40:A:VAL:HB	37	0.11
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG11	16	0.11
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG12	16	0.11
(3,1272)	1:94:A:THR:HG21	1:78:A:VAL:HG13	16	0.11
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG11	16	0.11
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG12	16	0.11
(3,1272)	1:94:A:THR:HG22	1:78:A:VAL:HG13	16	0.11
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG11	16	0.11
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG12	16	0.11
(3,1272)	1:94:A:THR:HG23	1:78:A:VAL:HG13	16	0.11
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	31	0.11
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	31	0.11
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	31	0.11
(3,1265)	1:67:A:THR:HG21	1:56:A:ASN:H	11	0.11
(3,1265)	1:67:A:THR:HG22	1:56:A:ASN:H	11	0.11
(3,1265)	1:67:A:THR:HG23	1:56:A:ASN:H	11	0.11
(3,1265)	1:67:A:THR:HG21	1:56:A:ASN:H	22	0.11
(3,1265)	1:67:A:THR:HG22	1:56:A:ASN:H	22	0.11
(3,1265)	1:67:A:THR:HG23	1:56:A:ASN:H	22	0.11
(3,1265)	1:67:A:THR:HG21	1:56:A:ASN:H	25	0.11
(3,1265)	1:67:A:THR:HG22	1:56:A:ASN:H	25	0.11
(3,1265)	1:67:A:THR:HG23	1:56:A:ASN:H	25	0.11
(3,1265)	1:67:A:THR:HG21	1:56:A:ASN:H	30	0.11
(3,1265)	1:67:A:THR:HG22	1:56:A:ASN:H	30	0.11
(3,1265)	1:67:A:THR:HG23	1:56:A:ASN:H	30	0.11
(3,1252)	1:28:A:THR:HG21	1:67:A:THR:HG21	34	0.11
(3,1252)	1:28:A:THR:HG21	1:67:A:THR:HG22	34	0.11
(3,1252)	1:28:A:THR:HG21	1:67:A:THR:HG23	34	0.11
(3,1252)	1:28:A:THR:HG22	1:67:A:THR:HG21	34	0.11
(3,1252)	1:28:A:THR:HG22	1:67:A:THR:HG22	34	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1252)	1:28:A:THR:HG22	1:67:A:THR:HG23	34	0.11
(3,1252)	1:28:A:THR:HG23	1:67:A:THR:HG21	34	0.11
(3,1252)	1:28:A:THR:HG23	1:67:A:THR:HG22	34	0.11
(3,1252)	1:28:A:THR:HG23	1:67:A:THR:HG23	34	0.11
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	4	0.11
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	4	0.11
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	4	0.11
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	11	0.11
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	11	0.11
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	11	0.11
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	16	0.11
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	16	0.11
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	16	0.11
(3,1248)	1:28:A:THR:HG21	1:30:A:GLU:H	27	0.11
(3,1248)	1:28:A:THR:HG22	1:30:A:GLU:H	27	0.11
(3,1248)	1:28:A:THR:HG23	1:30:A:GLU:H	27	0.11
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	7	0.11
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	7	0.11
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	7	0.11
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	40	0.11
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	40	0.11
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	40	0.11
(3,1240)	1:13:A:THR:HG21	1:34:A:SER:HB3	2	0.11
(3,1240)	1:13:A:THR:HG22	1:34:A:SER:HB3	2	0.11
(3,1240)	1:13:A:THR:HG23	1:34:A:SER:HB3	2	0.11
(3,1240)	1:13:A:THR:HG21	1:34:A:SER:HB3	12	0.11
(3,1240)	1:13:A:THR:HG22	1:34:A:SER:HB3	12	0.11
(3,1240)	1:13:A:THR:HG23	1:34:A:SER:HB3	12	0.11
(3,1240)	1:13:A:THR:HG21	1:34:A:SER:HB3	19	0.11
(3,1240)	1:13:A:THR:HG22	1:34:A:SER:HB3	19	0.11
(3,1240)	1:13:A:THR:HG23	1:34:A:SER:HB3	19	0.11
(3,1230)	1:101:A:LEU:H	1:22:A:SER:HA	3	0.11
(3,1230)	1:101:A:LEU:H	1:22:A:SER:HA	13	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	2	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	2	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	2	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	5	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	5	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	5	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	21	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	21	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	21	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	24	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	24	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	24	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	30	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	30	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	30	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	31	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	31	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	31	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	32	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	32	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	32	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	33	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	33	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	33	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	35	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	35	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	35	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	36	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	36	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	36	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	38	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	38	0.11
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	38	0.11
(3,1221)	1:69:A:HIS:H	1:56:A:ASN:H	31	0.11
(3,1221)	1:69:A:HIS:H	1:56:A:ASN:H	34	0.11
(3,1221)	1:69:A:HIS:H	1:56:A:ASN:H	40	0.11
(3,1217)	1:66:A:MET:H	1:28:A:THR:HA	8	0.11
(3,1217)	1:66:A:MET:H	1:28:A:THR:HA	9	0.11
(3,1217)	1:66:A:MET:H	1:28:A:THR:HA	30	0.11
(3,1217)	1:66:A:MET:H	1:28:A:THR:HA	33	0.11
(3,1217)	1:66:A:MET:H	1:28:A:THR:HA	34	0.11
(3,1217)	1:66:A:MET:H	1:28:A:THR:HA	40	0.11
(3,1212)	1:56:A:ASN:H	1:66:A:MET:HG2	32	0.11
(3,1208)	1:42:A:TRP:H	1:57:A:PHE:HE1	7	0.11
(3,1208)	1:42:A:TRP:H	1:57:A:PHE:HE2	7	0.11
(3,1208)	1:42:A:TRP:H	1:57:A:PHE:HE1	29	0.11
(3,1208)	1:42:A:TRP:H	1:57:A:PHE:HE2	29	0.11
(3,1208)	1:42:A:TRP:H	1:57:A:PHE:HE1	39	0.11
(3,1208)	1:42:A:TRP:H	1:57:A:PHE:HE2	39	0.11
(3,1201)	1:33:A:VAL:H	1:63:A:CYS:HA	4	0.11
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	22	0.11
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	24	0.11
(3,1180)	1:47:A:THR:H	1:44:A:LYS:HB3	40	0.11
(3,1152)	1:54:A:LYS:H	1:53:A:GLN:HG3	4	0.11
(3,1152)	1:54:A:LYS:H	1:53:A:GLN:HG3	13	0.11
(3,1152)	1:54:A:LYS:H	1:53:A:GLN:HG3	39	0.11
(3,1152)	1:54:A:LYS:H	1:53:A:GLN:HG3	40	0.11
(3,1131)	1:40:A:VAL:H	1:83:A:ALA:HB1	7	0.11
(3,1131)	1:40:A:VAL:H	1:83:A:ALA:HB2	7	0.11
(3,1131)	1:40:A:VAL:H	1:83:A:ALA:HB3	7	0.11
(3,1063)	1:71:A:VAL:H	1:25:A:GLN:H	5	0.11
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	17	0.11
(3,1036)	1:56:A:ASN:HD22	1:56:A:ASN:HA	7	0.11
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	1	0.11
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	4	0.11
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	23	0.11
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	26	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	3	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	3	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	3	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	4	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	4	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	4	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	15	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	15	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	15	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	22	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	22	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	22	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	25	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	25	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	25	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	30	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	30	0.11
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	30	0.11
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	3	0.11
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	4	0.11
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	8	0.11
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	14	0.11
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	15	0.11
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	17	0.11
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	16	0.11
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	27	0.11
(3,968)	1:21:A:VAL:H	1:99:A:GLY:HA3	28	0.11
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	12	0.11
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	17	0.11
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	18	0.11
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	24	0.11
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	26	0.11
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	36	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	3	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	3	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	3	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	6	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	6	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	6	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	8	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	8	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	8	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	16	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	16	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	16	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	25	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	25	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	25	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	29	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	29	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	29	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	32	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	32	0.11
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	32	0.11
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	3	0.11
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	10	0.11
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	13	0.11
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	15	0.11
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	18	0.11
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	26	0.11
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	27	0.11
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	29	0.11
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	32	0.11
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	35	0.11
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	37	0.11
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	5	0.11
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	11	0.11
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	12	0.11
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	17	0.11
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	19	0.11
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	25	0.11
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	26	0.11
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	36	0.11
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	38	0.11
(3,880)	1:30:A:GLU:H	1:29:A:PHE:HB2	12	0.11
(3,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	29	0.11
(3,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	34	0.11
(3,860)	1:86:A:GLU:H	1:85:A:LEU:HA	3	0.11
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	11	0.11
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	11	0.11
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	11	0.11
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	17	0.11
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	17	0.11
(3,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	17	0.11
(3,813)	1:25:A:GLN:H	1:25:A:GLN:HG3	4	0.11
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	13	0.11
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	19	0.11
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	25	0.11
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	27	0.11
(3,742)	1:76:A:GLU:H	1:77:A:GLY:H	3	0.11
(3,742)	1:76:A:GLU:H	1:77:A:GLY:H	10	0.11
(3,742)	1:76:A:GLU:H	1:77:A:GLY:H	14	0.11
(3,742)	1:76:A:GLU:H	1:77:A:GLY:H	16	0.11
(3,742)	1:76:A:GLU:H	1:77:A:GLY:H	17	0.11
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	4	0.11
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	5	0.11
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	19	0.11
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	21	0.11
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	32	0.11
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	34	0.11
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	36	0.11
(3,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	11	0.11
(3,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	14	0.11
(3,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	25	0.11
(3,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	35	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	2	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	4	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	5	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	6	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	11	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	12	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	13	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	14	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	15	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	16	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	21	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	22	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	25	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	26	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	32	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	37	0.11
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	38	0.11
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	1	0.11
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	3	0.11
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	8	0.11
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	21	0.11
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	25	0.11
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	28	0.11
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	31	0.11
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	32	0.11
(3,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	38	0.11
(3,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	22	0.11
(3,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	10	0.11
(3,595)	1:3:A:ASP:H	1:2:A:ILE:HG21	14	0.11
(3,595)	1:3:A:ASP:H	1:2:A:ILE:HG22	14	0.11
(3,595)	1:3:A:ASP:H	1:2:A:ILE:HG23	14	0.11
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	7	0.11
(3,589)	1:93:A:SER:H	1:92:A:ARG:HG2	33	0.11
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	9	0.11
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	9	0.11
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	9	0.11
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	17	0.11
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	17	0.11
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	17	0.11
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	28	0.11
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	28	0.11
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	28	0.11
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	29	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	29	0.11
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	29	0.11
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD1	18	0.11
(3,558)	1:47:A:THR:H	1:43:A:TYR:HD2	18	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	2	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	2	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	2	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	4	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	4	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	4	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	5	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	5	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	5	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	7	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	7	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	7	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	8	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	8	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	8	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	10	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	10	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	10	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	13	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	13	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	13	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	14	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	14	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	14	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	15	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	15	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	15	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	17	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	17	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	17	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	21	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	21	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	21	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	22	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	22	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	22	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	24	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	24	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	24	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	25	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	25	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	25	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	26	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	26	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	26	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	28	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	28	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	28	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	30	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	30	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	30	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	31	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	31	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	31	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	32	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	32	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	32	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	34	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	34	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	34	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	36	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	36	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	36	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	37	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	37	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	37	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	38	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	38	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	38	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	39	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	39	0.11
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	39	0.11
(3,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	26	0.11
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	2	0.11
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	3	0.11
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	6	0.11
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	9	0.11
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	10	0.11
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	11	0.11
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	19	0.11
(3,547)	1:71:A:VAL:H	1:71:A:VAL:HA	28	0.11
(3,546)	1:71:A:VAL:H	1:24:A:HIS:HA	9	0.11
(3,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	9	0.11
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	5	0.11
(3,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	7	0.11
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	2	0.11
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	7	0.11
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	12	0.11
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	16	0.11
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	24	0.11
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	33	0.11
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	40	0.11
(3,419)	1:69:A:HIS:H	1:54:A:LYS:HA	40	0.11
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD21	22	0.11
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD22	22	0.11
(3,404)	1:77:A:GLY:H	1:97:A:LEU:HD23	22	0.11
(3,393)	1:77:A:GLY:H	1:96:A:GLU:HA	14	0.11
(3,393)	1:77:A:GLY:H	1:96:A:GLU:HA	28	0.11
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	7	0.11
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	7	0.11
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	7	0.11
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	9	0.11
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	9	0.11
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	9	0.11
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	21	0.11
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	21	0.11
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	21	0.11
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	37	0.11
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	37	0.11
(3,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	37	0.11
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	13	0.11
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	14	0.11
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	16	0.11
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	20	0.11
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	21	0.11
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	30	0.11
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	33	0.11
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	8	0.11
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	8	0.11
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	20	0.11
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,314)	1:63:A:CYS:H	1:64:A:HIS:HD2	8	0.11
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	12	0.11
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	29	0.11
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	38	0.11
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	2	0.11
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	4	0.11
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	9	0.11
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	16	0.11
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	27	0.11
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	31	0.11
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	37	0.11
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	3	0.11
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	4	0.11
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	5	0.11
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	8	0.11
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	14	0.11
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	17	0.11
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	18	0.11
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	26	0.11
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	29	0.11
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	30	0.11
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	31	0.11
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	32	0.11
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	34	0.11
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	35	0.11
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	37	0.11
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	40	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	3	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	3	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	14	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	14	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	15	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	15	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	19	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	19	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	22	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	22	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	28	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	28	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	32	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	32	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	33	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	33	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	35	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	35	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	40	0.11
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	40	0.11
(3,203)	1:90:A:GLU:H	1:91:A:ALA:H	1	0.11
(3,203)	1:90:A:GLU:H	1:91:A:ALA:H	4	0.11
(3,203)	1:90:A:GLU:H	1:91:A:ALA:H	5	0.11
(3,203)	1:90:A:GLU:H	1:91:A:ALA:H	8	0.11
(3,203)	1:90:A:GLU:H	1:91:A:ALA:H	9	0.11
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	11	0.11
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	18	0.11
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	34	0.11
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	38	0.11
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	39	0.11
(3,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	15	0.11
(3,182)	1:11:A:GLN:H	1:10:A:ILE:HD11	1	0.11
(3,182)	1:11:A:GLN:H	1:10:A:ILE:HD12	1	0.11
(3,182)	1:11:A:GLN:H	1:10:A:ILE:HD13	1	0.11
(3,182)	1:11:A:GLN:H	1:10:A:ILE:HD11	3	0.11
(3,182)	1:11:A:GLN:H	1:10:A:ILE:HD12	3	0.11
(3,182)	1:11:A:GLN:H	1:10:A:ILE:HD13	3	0.11
(3,182)	1:11:A:GLN:H	1:10:A:ILE:HD11	8	0.11
(3,182)	1:11:A:GLN:H	1:10:A:ILE:HD12	8	0.11
(3,182)	1:11:A:GLN:H	1:10:A:ILE:HD13	8	0.11
(3,182)	1:11:A:GLN:H	1:10:A:ILE:HD11	20	0.11
(3,182)	1:11:A:GLN:H	1:10:A:ILE:HD12	20	0.11
(3,182)	1:11:A:GLN:H	1:10:A:ILE:HD13	20	0.11
(3,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	8	0.11
(3,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	9	0.11
(3,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	11	0.11
(3,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	13	0.11
(3,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	17	0.11
(3,144)	1:101:A:LEU:H	1:100:A:GLU:HB2	39	0.11
(3,113)	1:63:A:CYS:H	1:60:A:ASP:H	9	0.11
(3,113)	1:63:A:CYS:H	1:60:A:ASP:H	31	0.11
(3,57)	1:42:A:TRP:H	1:42:A:TRP:HB3	1	0.11
(3,57)	1:42:A:TRP:H	1:42:A:TRP:HB3	5	0.11
(3,57)	1:42:A:TRP:H	1:42:A:TRP:HB3	18	0.11
(3,57)	1:42:A:TRP:H	1:42:A:TRP:HB3	22	0.11
(3,57)	1:42:A:TRP:H	1:42:A:TRP:HB3	34	0.11
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,51)	1:57:A:PHE:H	1:56:A:ASN:HB2	19	0.11
(3,39)	1:88:A:ARG:H	1:88:A:ARG:HB3	29	0.11
(3,24)	1:89:A:GLY:H	1:9:A:PRO:HB3	16	0.11
(1,3211)	1:69:A:HIS:HE1	1:67:A:THR:HB	24	0.11
(1,3211)	1:69:A:HIS:HE1	1:67:A:THR:HB	28	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	5	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	5	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	11	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	11	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	13	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	13	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	20	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	20	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	23	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	23	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	26	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	26	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	30	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	30	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	31	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	31	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	37	0.11
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	37	0.11
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	25	0.11
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	25	0.11
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	25	0.11
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	25	0.11
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	25	0.11
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	25	0.11
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	32	0.11
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	32	0.11
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	32	0.11
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	32	0.11
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	32	0.11
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	32	0.11
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD21	34	0.11
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD22	34	0.11
(1,3200)	1:55:A:TYR:HD1	1:49:A:LEU:HD23	34	0.11
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD21	34	0.11
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD22	34	0.11
(1,3200)	1:55:A:TYR:HD2	1:49:A:LEU:HD23	34	0.11
(1,3197)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3197)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	18	0.11
(1,3197)	1:42:A:TRP:HZ2	1:30:A:GLU:HA	28	0.11
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	9	0.11
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	9	0.11
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	9	0.11
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	22	0.11
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	22	0.11
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	22	0.11
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	13	0.11
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	13	0.11
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	13	0.11
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	13	0.11
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	14	0.11
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	14	0.11
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	14	0.11
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	14	0.11
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	34	0.11
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	34	0.11
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	34	0.11
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	34	0.11
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE1	37	0.11
(1,3190)	1:79:A:TYR:HD1	1:29:A:PHE:HE2	37	0.11
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE1	37	0.11
(1,3190)	1:79:A:TYR:HD2	1:29:A:PHE:HE2	37	0.11
(1,3185)	1:43:A:TYR:HD1	1:44:A:LYS:H	31	0.11
(1,3185)	1:43:A:TYR:HD2	1:44:A:LYS:H	31	0.11
(1,3177)	1:42:A:TRP:HE1	1:81:A:VAL:HB	29	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	2	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	2	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	2	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	4	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	4	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	4	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	14	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	14	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	14	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	23	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	23	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	23	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	24	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	24	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	24	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	32	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	32	0.11
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	32	0.11
(1,3169)	1:69:A:HIS:HD2	1:69:A:HIS:HB3	14	0.11
(1,3158)	1:42:A:TRP:HD1	1:41:A:THR:HA	39	0.11
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	10	0.11
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	10	0.11
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	14	0.11
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	14	0.11
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	18	0.11
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	18	0.11
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	26	0.11
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	26	0.11
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	38	0.11
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	38	0.11
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	1	0.11
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	1	0.11
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	3	0.11
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	3	0.11
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	5	0.11
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	5	0.11
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	13	0.11
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	13	0.11
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	22	0.11
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	22	0.11
(1,3133)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	20	0.11
(1,3133)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	20	0.11
(1,3133)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	30	0.11
(1,3133)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	30	0.11
(1,3133)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	33	0.11
(1,3133)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	33	0.11
(1,3132)	1:65:A:TYR:HE1	1:63:A:CYS:HB2	30	0.11
(1,3132)	1:65:A:TYR:HE2	1:63:A:CYS:HB2	30	0.11
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	31	0.11
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	31	0.11
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	40	0.11
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	40	0.11
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	6	0.11
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	6	0.11
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	6	0.11
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	6	0.11
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	6	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	3	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	3	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	3	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	3	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	3	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	3	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	5	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	5	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	5	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	5	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	5	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	5	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	10	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	10	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	10	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	10	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	10	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	10	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	19	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	19	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	19	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	19	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	19	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	19	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	21	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	21	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	21	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	21	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	21	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	21	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	33	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	33	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	33	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	33	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	33	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	33	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	40	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	40	0.11
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	40	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	40	0.11
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	40	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	40	0.11
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	5	0.11
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	5	0.11
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	5	0.11
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	5	0.11
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	30	0.11
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	30	0.11
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	30	0.11
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	30	0.11
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	33	0.11
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	33	0.11
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	33	0.11
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	33	0.11
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	35	0.11
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	35	0.11
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	35	0.11
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	35	0.11
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	38	0.11
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	38	0.11
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	38	0.11
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	38	0.11
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	40	0.11
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	40	0.11
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	40	0.11
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	40	0.11
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	2	0.11
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	2	0.11
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	2	0.11
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	2	0.11
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	2	0.11
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	2	0.11
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	18	0.11
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	18	0.11
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	18	0.11
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	18	0.11
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	18	0.11
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	18	0.11
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	30	0.11
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	30	0.11
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	30	0.11
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	30	0.11
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	30	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	30	0.11
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	34	0.11
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	34	0.11
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	34	0.11
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	34	0.11
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	34	0.11
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	34	0.11
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	38	0.11
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	38	0.11
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	38	0.11
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	38	0.11
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	38	0.11
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	38	0.11
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	9	0.11
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	9	0.11
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	9	0.11
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	12	0.11
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	12	0.11
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	12	0.11
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	21	0.11
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	21	0.11
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	21	0.11
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	22	0.11
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	22	0.11
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	22	0.11
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	38	0.11
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	38	0.11
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	38	0.11
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	16	0.11
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	16	0.11
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	18	0.11
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	18	0.11
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	36	0.11
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	36	0.11
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	40	0.11
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	40	0.11
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG21	7	0.11
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG22	7	0.11
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG23	7	0.11
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG21	14	0.11
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG22	14	0.11
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG23	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	1	0.11
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	1	0.11
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	6	0.11
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	6	0.11
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	18	0.11
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	18	0.11
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	27	0.11
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	27	0.11
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	5	0.11
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	5	0.11
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	13	0.11
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	13	0.11
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	17	0.11
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	17	0.11
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	21	0.11
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	21	0.11
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	33	0.11
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	33	0.11
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	35	0.11
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	35	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	6	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	6	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	6	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	9	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	9	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	9	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	10	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	10	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	10	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	15	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	15	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	15	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	16	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	16	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	16	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	17	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	17	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	17	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	20	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	20	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	20	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	21	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	21	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	21	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	24	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	24	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	24	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	29	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	29	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	29	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	33	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	33	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	33	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	39	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	39	0.11
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	39	0.11
(1,3009)	1:102:A:ARG:HD3	1:102:A:ARG:HB2	24	0.11
(1,3009)	1:102:A:ARG:HD3	1:102:A:ARG:HB2	28	0.11
(1,3009)	1:102:A:ARG:HD3	1:102:A:ARG:HB2	30	0.11
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG21	12	0.11
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG22	12	0.11
(1,3004)	1:25:A:GLN:HB3	1:21:A:VAL:HG23	12	0.11
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	3	0.11
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	29	0.11
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	34	0.11
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	37	0.11
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	6	0.11
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	9	0.11
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	30	0.11
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	35	0.11
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	38	0.11
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	9	0.11
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	12	0.11
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	27	0.11
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	40	0.11
(1,2942)	1:90:A:GLU:HA	1:84:A:ARG:HA	4	0.11
(1,2942)	1:90:A:GLU:HA	1:84:A:ARG:HA	8	0.11
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	10	0.11
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	10	0.11
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	14	0.11
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	14	0.11
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	18	0.11
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	18	0.11
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	26	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	26	0.11
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	38	0.11
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	38	0.11
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	6	0.11
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	10	0.11
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	21	0.11
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	28	0.11
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	37	0.11
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	40	0.11
(1,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	6	0.11
(1,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	26	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	1	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	2	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	3	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	7	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	8	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	9	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	10	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	14	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	15	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	18	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	19	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	20	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	22	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	23	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	25	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	26	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	28	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	30	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	31	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	32	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	34	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	36	0.11
(1,2887)	1:14:A:LYS:HB3	1:14:A:LYS:HG3	37	0.11
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	5	0.11
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	9	0.11
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	19	0.11
(1,2868)	1:102:A:ARG:HB2	1:102:A:ARG:HG2	29	0.11
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	6	0.11
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	9	0.11
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	22	0.11
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	24	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	25	0.11
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	31	0.11
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	32	0.11
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	33	0.11
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	36	0.11
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	37	0.11
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	38	0.11
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	40	0.11
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	7	0.11
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	31	0.11
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	1	0.11
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	3	0.11
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	8	0.11
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	21	0.11
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	25	0.11
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	28	0.11
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	31	0.11
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	32	0.11
(1,2785)	1:100:A:GLU:HG2	1:100:A:GLU:H	38	0.11
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	13	0.11
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	29	0.11
(1,2745)	1:86:A:GLU:HG2	1:86:A:GLU:H	19	0.11
(1,2745)	1:86:A:GLU:HG3	1:86:A:GLU:H	19	0.11
(1,2716)	1:48:A:GLU:HA	1:41:A:THR:HG21	12	0.11
(1,2716)	1:48:A:GLU:HA	1:41:A:THR:HG22	12	0.11
(1,2716)	1:48:A:GLU:HA	1:41:A:THR:HG23	12	0.11
(1,2715)	1:48:A:GLU:HA	1:49:A:LEU:HG	26	0.11
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	9	0.11
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	11	0.11
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	14	0.11
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	20	0.11
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	29	0.11
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	35	0.11
(1,2713)	1:48:A:GLU:HA	1:48:A:GLU:HG3	39	0.11
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	2	0.11
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	5	0.11
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	8	0.11
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	12	0.11
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	13	0.11
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	19	0.11
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	20	0.11
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	23	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	24	0.11
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	28	0.11
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	31	0.11
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	36	0.11
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	38	0.11
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	39	0.11
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	7	0.11
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	5	0.11
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	8	0.11
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	9	0.11
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	10	0.11
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	15	0.11
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	16	0.11
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	21	0.11
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	23	0.11
(1,2679)	1:53:A:GLN:HB2	1:53:A:GLN:HG2	24	0.11
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	9	0.11
(1,2675)	1:25:A:GLN:HG3	1:26:A:SER:H	17	0.11
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	13	0.11
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	13	0.11
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	13	0.11
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	18	0.11
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	18	0.11
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	18	0.11
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	35	0.11
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	35	0.11
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	35	0.11
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	38	0.11
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	38	0.11
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	38	0.11
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	13	0.11
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	14	0.11
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	16	0.11
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	20	0.11
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	21	0.11
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	30	0.11
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	33	0.11
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	25	0.11
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	26	0.11
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	29	0.11
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	30	0.11
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	31	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	37	0.11
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	38	0.11
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	39	0.11
(1,2645)	1:9:A:PRO:HB3	1:9:A:PRO:HD3	23	0.11
(1,2609)	1:60:A:ASP:HB3	1:60:A:ASP:H	20	0.11
(1,2609)	1:60:A:ASP:HB3	1:60:A:ASP:H	21	0.11
(1,2609)	1:60:A:ASP:HB3	1:60:A:ASP:H	23	0.11
(1,2609)	1:60:A:ASP:HB3	1:60:A:ASP:H	24	0.11
(1,2609)	1:60:A:ASP:HB3	1:60:A:ASP:H	26	0.11
(1,2609)	1:60:A:ASP:HB3	1:60:A:ASP:H	30	0.11
(1,2609)	1:60:A:ASP:HB3	1:60:A:ASP:H	33	0.11
(1,2608)	1:60:A:ASP:HB3	1:60:A:ASP:H	20	0.11
(1,2608)	1:60:A:ASP:HB3	1:60:A:ASP:H	21	0.11
(1,2608)	1:60:A:ASP:HB3	1:60:A:ASP:H	23	0.11
(1,2608)	1:60:A:ASP:HB3	1:60:A:ASP:H	24	0.11
(1,2608)	1:60:A:ASP:HB3	1:60:A:ASP:H	26	0.11
(1,2608)	1:60:A:ASP:HB3	1:60:A:ASP:H	30	0.11
(1,2608)	1:60:A:ASP:HB3	1:60:A:ASP:H	33	0.11
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	31	0.11
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	21	0.11
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	22	0.11
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	24	0.11
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	25	0.11
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	27	0.11
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	29	0.11
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	30	0.11
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	31	0.11
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	32	0.11
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	34	0.11
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	35	0.11
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	36	0.11
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	37	0.11
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	38	0.11
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	39	0.11
(1,2498)	1:9:A:PRO:HG3	1:9:A:PRO:HB2	40	0.11
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	26	0.11
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	29	0.11
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	33	0.11
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	35	0.11
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	36	0.11
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	37	0.11
(1,2491)	1:9:A:PRO:HB2	1:9:A:PRO:HA	39	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2479)	1:9:A:PRO:HD2	1:8:A:GLU:HA	3	0.11
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	6	0.11
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	7	0.11
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	30	0.11
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	31	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	1	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	1	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	1	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	3	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	3	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	3	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	4	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	4	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	4	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	5	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	5	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	5	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	6	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	6	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	6	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	7	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	7	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	7	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	8	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	8	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	8	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	9	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	9	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	9	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	10	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	10	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	10	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	12	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	12	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	12	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	13	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	13	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	13	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	14	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	14	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	14	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	15	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	15	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	16	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	16	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	16	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	17	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	17	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	17	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	18	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	18	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	18	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	19	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	19	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	19	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	20	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	20	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	20	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	21	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	21	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	21	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	22	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	22	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	22	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	23	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	23	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	23	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	25	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	25	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	25	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	26	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	26	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	26	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	27	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	27	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	27	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	28	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	28	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	28	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	29	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	29	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	29	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	30	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	30	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	30	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	31	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	31	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	31	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	32	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	32	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	32	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	33	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	33	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	33	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	34	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	34	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	34	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	35	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	35	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	35	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	37	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	37	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	37	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	39	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	39	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	39	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD11	40	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD12	40	0.11
(1,2424)	1:39:A:ILE:HB	1:39:A:ILE:HD13	40	0.11
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	3	0.11
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	4	0.11
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	7	0.11
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	37	0.11
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	38	0.11
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	39	0.11
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	39	0.11
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	39	0.11
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	39	0.11
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	6	0.11
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	6	0.11
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	6	0.11
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	33	0.11
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	33	0.11
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	33	0.11
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG21	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG22	11	0.11
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG23	11	0.11
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG21	23	0.11
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG22	23	0.11
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG23	23	0.11
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG21	30	0.11
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG22	30	0.11
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG23	30	0.11
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	26	0.11
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	26	0.11
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	26	0.11
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	39	0.11
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	39	0.11
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	39	0.11
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	24	0.11
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	24	0.11
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	24	0.11
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	32	0.11
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	32	0.11
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	32	0.11
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	11	0.11
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	25	0.11
(1,2099)	1:40:A:VAL:HG21	1:83:A:ALA:HA	6	0.11
(1,2099)	1:40:A:VAL:HG22	1:83:A:ALA:HA	6	0.11
(1,2099)	1:40:A:VAL:HG23	1:83:A:ALA:HA	6	0.11
(1,2099)	1:40:A:VAL:HG21	1:83:A:ALA:HA	20	0.11
(1,2099)	1:40:A:VAL:HG22	1:83:A:ALA:HA	20	0.11
(1,2099)	1:40:A:VAL:HG23	1:83:A:ALA:HA	20	0.11
(1,2099)	1:40:A:VAL:HG21	1:83:A:ALA:HA	33	0.11
(1,2099)	1:40:A:VAL:HG22	1:83:A:ALA:HA	33	0.11
(1,2099)	1:40:A:VAL:HG23	1:83:A:ALA:HA	33	0.11
(1,2099)	1:40:A:VAL:HG21	1:83:A:ALA:HA	34	0.11
(1,2099)	1:40:A:VAL:HG22	1:83:A:ALA:HA	34	0.11
(1,2099)	1:40:A:VAL:HG23	1:83:A:ALA:HA	34	0.11
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	7	0.11
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	7	0.11
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	7	0.11
(1,2096)	1:20:A:VAL:HG11	1:99:A:GLY:HA2	19	0.11
(1,2096)	1:20:A:VAL:HG12	1:99:A:GLY:HA2	19	0.11
(1,2096)	1:20:A:VAL:HG13	1:99:A:GLY:HA2	19	0.11
(1,2093)	1:88:A:ARG:HD3	1:7:A:ALA:HA	21	0.11
(1,2087)	1:85:A:LEU:HD11	1:39:A:ILE:H	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:85:A:LEU:HD12	1:39:A:ILE:H	14	0.11
(1,2087)	1:85:A:LEU:HD13	1:39:A:ILE:H	14	0.11
(1,2087)	1:85:A:LEU:HD11	1:39:A:ILE:H	17	0.11
(1,2087)	1:85:A:LEU:HD12	1:39:A:ILE:H	17	0.11
(1,2087)	1:85:A:LEU:HD13	1:39:A:ILE:H	17	0.11
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	1	0.11
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	1	0.11
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	1	0.11
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	1	0.11
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	1	0.11
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	1	0.11
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	16	0.11
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	16	0.11
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	16	0.11
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	16	0.11
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	16	0.11
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	16	0.11
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	17	0.11
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	17	0.11
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	17	0.11
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	17	0.11
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	17	0.11
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	17	0.11
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	18	0.11
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	18	0.11
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	18	0.11
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	18	0.11
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	18	0.11
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	18	0.11
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	23	0.11
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	23	0.11
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	23	0.11
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	23	0.11
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	23	0.11
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	23	0.11
(1,2070)	1:97:A:LEU:HB2	1:19:A:ILE:HB	17	0.11
(1,2070)	1:97:A:LEU:HB2	1:19:A:ILE:HB	29	0.11
(1,2069)	1:94:A:THR:HG21	1:80:A:SER:HB3	28	0.11
(1,2069)	1:94:A:THR:HG22	1:80:A:SER:HB3	28	0.11
(1,2069)	1:94:A:THR:HG23	1:80:A:SER:HB3	28	0.11
(1,2054)	1:78:A:VAL:HG11	1:96:A:GLU:HG2	11	0.11
(1,2054)	1:78:A:VAL:HG12	1:96:A:GLU:HG2	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2054)	1:78:A:VAL:HG13	1:96:A:GLU:HG2	11	0.11
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	27	0.11
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	27	0.11
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	27	0.11
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	27	0.11
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	27	0.11
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	27	0.11
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	27	0.11
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	27	0.11
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	27	0.11
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	29	0.11
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	29	0.11
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	29	0.11
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	29	0.11
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	29	0.11
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	29	0.11
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	29	0.11
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	29	0.11
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	29	0.11
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	36	0.11
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	36	0.11
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	36	0.11
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	36	0.11
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	36	0.11
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	36	0.11
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	36	0.11
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	36	0.11
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	36	0.11
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD21	39	0.11
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD22	39	0.11
(1,2053)	1:71:A:VAL:HG21	1:97:A:LEU:HD23	39	0.11
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD21	39	0.11
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD22	39	0.11
(1,2053)	1:71:A:VAL:HG22	1:97:A:LEU:HD23	39	0.11
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD21	39	0.11
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD22	39	0.11
(1,2053)	1:71:A:VAL:HG23	1:97:A:LEU:HD23	39	0.11
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	7	0.11
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	7	0.11
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	7	0.11
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	7	0.11
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	7	0.11
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	28	0.11
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	28	0.11
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	28	0.11
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	28	0.11
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	28	0.11
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	28	0.11
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	39	0.11
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	39	0.11
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	39	0.11
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	39	0.11
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	39	0.11
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	39	0.11
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	4	0.11
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	4	0.11
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	4	0.11
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	6	0.11
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	6	0.11
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	6	0.11
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	10	0.11
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	10	0.11
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	10	0.11
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	24	0.11
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	24	0.11
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	24	0.11
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	33	0.11
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	33	0.11
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	33	0.11
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	37	0.11
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	37	0.11
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	37	0.11
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	23	0.11
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	23	0.11
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	23	0.11
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	23	0.11
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	23	0.11
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	23	0.11
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE1	28	0.11
(1,2019)	1:49:A:LEU:HD11	1:57:A:PHE:HE2	28	0.11
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE1	28	0.11
(1,2019)	1:49:A:LEU:HD12	1:57:A:PHE:HE2	28	0.11
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE1	28	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2019)	1:49:A:LEU:HD13	1:57:A:PHE:HE2	28	0.11
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	1	0.11
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	1	0.11
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	6	0.11
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	6	0.11
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	12	0.11
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	12	0.11
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	27	0.11
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	27	0.11
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD1	39	0.11
(1,2014)	1:44:A:LYS:HD2	1:79:A:TYR:HD2	39	0.11
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	2	0.11
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	2	0.11
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	2	0.11
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	2	0.11
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	2	0.11
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	2	0.11
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	2	0.11
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	2	0.11
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	2	0.11
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	13	0.11
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	13	0.11
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	13	0.11
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	13	0.11
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	13	0.11
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	13	0.11
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	13	0.11
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	13	0.11
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	13	0.11
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	14	0.11
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	14	0.11
(1,2010)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	14	0.11
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	14	0.11
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	14	0.11
(1,2010)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	14	0.11
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	14	0.11
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	14	0.11
(1,2010)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	14	0.11
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	12	0.11
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	29	0.11
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	38	0.11
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	19	0.11
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	19	0.11
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	23	0.11
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	23	0.11
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	23	0.11
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	24	0.11
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	24	0.11
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	24	0.11
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	33	0.11
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	33	0.11
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	33	0.11
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	38	0.11
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	38	0.11
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	38	0.11
(1,1994)	1:21:A:VAL:HG11	1:25:A:GLN:HG3	8	0.11
(1,1994)	1:21:A:VAL:HG12	1:25:A:GLN:HG3	8	0.11
(1,1994)	1:21:A:VAL:HG13	1:25:A:GLN:HG3	8	0.11
(1,1994)	1:21:A:VAL:HG11	1:25:A:GLN:HG3	16	0.11
(1,1994)	1:21:A:VAL:HG12	1:25:A:GLN:HG3	16	0.11
(1,1994)	1:21:A:VAL:HG13	1:25:A:GLN:HG3	16	0.11
(1,1994)	1:21:A:VAL:HG11	1:25:A:GLN:HG3	33	0.11
(1,1994)	1:21:A:VAL:HG12	1:25:A:GLN:HG3	33	0.11
(1,1994)	1:21:A:VAL:HG13	1:25:A:GLN:HG3	33	0.11
(1,1994)	1:21:A:VAL:HG11	1:25:A:GLN:HG3	38	0.11
(1,1994)	1:21:A:VAL:HG12	1:25:A:GLN:HG3	38	0.11
(1,1994)	1:21:A:VAL:HG13	1:25:A:GLN:HG3	38	0.11
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	10	0.11
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	10	0.11
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	10	0.11
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	13	0.11
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	13	0.11
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	13	0.11
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	31	0.11
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	31	0.11
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	31	0.11
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	32	0.11
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	32	0.11
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	32	0.11
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	37	0.11
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	37	0.11
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	37	0.11
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	39	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	39	0.11
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	39	0.11
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	18	0.11
(1,1956)	1:72:A:THR:HG21	1:74:A:ASP:HB3	7	0.11
(1,1956)	1:72:A:THR:HG22	1:74:A:ASP:HB3	7	0.11
(1,1956)	1:72:A:THR:HG23	1:74:A:ASP:HB3	7	0.11
(1,1956)	1:72:A:THR:HG21	1:74:A:ASP:HB3	31	0.11
(1,1956)	1:72:A:THR:HG22	1:74:A:ASP:HB3	31	0.11
(1,1956)	1:72:A:THR:HG23	1:74:A:ASP:HB3	31	0.11
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB1	9	0.11
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB2	9	0.11
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB3	9	0.11
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB1	9	0.11
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB2	9	0.11
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB3	9	0.11
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB1	9	0.11
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB2	9	0.11
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB3	9	0.11
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB1	17	0.11
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB2	17	0.11
(1,1952)	1:68:A:ILE:HD11	1:27:A:ALA:HB3	17	0.11
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB1	17	0.11
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB2	17	0.11
(1,1952)	1:68:A:ILE:HD12	1:27:A:ALA:HB3	17	0.11
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB1	17	0.11
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB2	17	0.11
(1,1952)	1:68:A:ILE:HD13	1:27:A:ALA:HB3	17	0.11
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	1	0.11
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	1	0.11
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	1	0.11
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	2	0.11
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	2	0.11
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	2	0.11
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	5	0.11
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	5	0.11
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	5	0.11
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	9	0.11
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	9	0.11
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	9	0.11
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	15	0.11
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	15	0.11
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	17	0.11
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	17	0.11
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	17	0.11
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	26	0.11
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	26	0.11
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	26	0.11
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	28	0.11
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	28	0.11
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	28	0.11
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	29	0.11
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	29	0.11
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	29	0.11
(1,1907)	1:68:A:ILE:HG21	1:54:A:LYS:HD2	28	0.11
(1,1907)	1:68:A:ILE:HG22	1:54:A:LYS:HD2	28	0.11
(1,1907)	1:68:A:ILE:HG23	1:54:A:LYS:HD2	28	0.11
(1,1903)	1:66:A:MET:HE1	1:79:A:TYR:HA	16	0.11
(1,1903)	1:66:A:MET:HE2	1:79:A:TYR:HA	16	0.11
(1,1903)	1:66:A:MET:HE3	1:79:A:TYR:HA	16	0.11
(1,1903)	1:66:A:MET:HE1	1:79:A:TYR:HA	21	0.11
(1,1903)	1:66:A:MET:HE2	1:79:A:TYR:HA	21	0.11
(1,1903)	1:66:A:MET:HE3	1:79:A:TYR:HA	21	0.11
(1,1901)	1:49:A:LEU:HD21	1:44:A:LYS:HG2	2	0.11
(1,1901)	1:49:A:LEU:HD22	1:44:A:LYS:HG2	2	0.11
(1,1901)	1:49:A:LEU:HD23	1:44:A:LYS:HG2	2	0.11
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	7	0.11
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	7	0.11
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	7	0.11
(1,1899)	1:49:A:LEU:HD11	1:43:A:TYR:HA	11	0.11
(1,1899)	1:49:A:LEU:HD12	1:43:A:TYR:HA	11	0.11
(1,1899)	1:49:A:LEU:HD13	1:43:A:TYR:HA	11	0.11
(1,1896)	1:47:A:THR:HG21	1:44:A:LYS:HB3	2	0.11
(1,1896)	1:47:A:THR:HG22	1:44:A:LYS:HB3	2	0.11
(1,1896)	1:47:A:THR:HG23	1:44:A:LYS:HB3	2	0.11
(1,1896)	1:47:A:THR:HG21	1:44:A:LYS:HB3	12	0.11
(1,1896)	1:47:A:THR:HG22	1:44:A:LYS:HB3	12	0.11
(1,1896)	1:47:A:THR:HG23	1:44:A:LYS:HB3	12	0.11
(1,1861)	1:7:A:ALA:HB1	1:88:A:ARG:HA	1	0.11
(1,1861)	1:7:A:ALA:HB2	1:88:A:ARG:HA	1	0.11
(1,1861)	1:7:A:ALA:HB3	1:88:A:ARG:HA	1	0.11
(1,1861)	1:7:A:ALA:HB1	1:88:A:ARG:HA	36	0.11
(1,1861)	1:7:A:ALA:HB2	1:88:A:ARG:HA	36	0.11
(1,1861)	1:7:A:ALA:HB3	1:88:A:ARG:HA	36	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1861)	1:7:A:ALA:HB1	1:88:A:ARG:HA	39	0.11
(1,1861)	1:7:A:ALA:HB2	1:88:A:ARG:HA	39	0.11
(1,1861)	1:7:A:ALA:HB3	1:88:A:ARG:HA	39	0.11
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG11	22	0.11
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG12	22	0.11
(1,1717)	1:38:A:ALA:HB1	1:33:A:VAL:HG13	22	0.11
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG11	22	0.11
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG12	22	0.11
(1,1717)	1:38:A:ALA:HB2	1:33:A:VAL:HG13	22	0.11
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG11	22	0.11
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG12	22	0.11
(1,1717)	1:38:A:ALA:HB3	1:33:A:VAL:HG13	22	0.11
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	6	0.11
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	6	0.11
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	6	0.11
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	7	0.11
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	7	0.11
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	7	0.11
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	8	0.11
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	8	0.11
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	8	0.11
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	21	0.11
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	21	0.11
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	21	0.11
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	23	0.11
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	23	0.11
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	23	0.11
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	30	0.11
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	30	0.11
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	30	0.11
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	32	0.11
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	32	0.11
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	32	0.11
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	33	0.11
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	33	0.11
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	33	0.11
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	34	0.11
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	34	0.11
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	34	0.11
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	35	0.11
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	35	0.11
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	35	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	39	0.11
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	39	0.11
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	39	0.11
(1,1708)	1:49:A:LEU:HD21	1:49:A:LEU:H	40	0.11
(1,1708)	1:49:A:LEU:HD22	1:49:A:LEU:H	40	0.11
(1,1708)	1:49:A:LEU:HD23	1:49:A:LEU:H	40	0.11
(1,1706)	1:49:A:LEU:HD21	1:50:A:THR:H	35	0.11
(1,1706)	1:49:A:LEU:HD22	1:50:A:THR:H	35	0.11
(1,1706)	1:49:A:LEU:HD23	1:50:A:THR:H	35	0.11
(1,1696)	1:101:A:LEU:HD21	1:101:A:LEU:HB3	31	0.11
(1,1696)	1:101:A:LEU:HD22	1:101:A:LEU:HB3	31	0.11
(1,1696)	1:101:A:LEU:HD23	1:101:A:LEU:HB3	31	0.11
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	6	0.11
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	6	0.11
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	6	0.11
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	6	0.11
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	6	0.11
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	6	0.11
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	6	0.11
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	6	0.11
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	6	0.11
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	7	0.11
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	7	0.11
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	7	0.11
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	7	0.11
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	7	0.11
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	7	0.11
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	7	0.11
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	7	0.11
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	7	0.11
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	23	0.11
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	23	0.11
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	23	0.11
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	23	0.11
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	23	0.11
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	23	0.11
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	23	0.11
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	23	0.11
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	23	0.11
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	30	0.11
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	30	0.11
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	30	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	39	0.11
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	39	0.11
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	39	0.11
(1,1654)	1:40:A:VAL:HB	1:39:A:ILE:HA	2	0.11
(1,1654)	1:40:A:VAL:HB	1:39:A:ILE:HA	24	0.11
(1,1654)	1:40:A:VAL:HB	1:39:A:ILE:HA	36	0.11
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	4	0.11
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	4	0.11
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	4	0.11
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	4	0.11
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	4	0.11
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	4	0.11
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	4	0.11
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	4	0.11
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	4	0.11
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	15	0.11
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	15	0.11
(1,1639)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	15	0.11
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	15	0.11
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	15	0.11
(1,1639)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	15	0.11
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	15	0.11
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	15	0.11
(1,1639)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	15	0.11
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	17	0.11
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	17	0.11
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	17	0.11
(1,1624)	1:82:A:ILE:HG21	1:90:A:GLU:HG2	31	0.11
(1,1624)	1:82:A:ILE:HG22	1:90:A:GLU:HG2	31	0.11
(1,1624)	1:82:A:ILE:HG23	1:90:A:GLU:HG2	31	0.11
(1,1623)	1:82:A:ILE:HG21	1:84:A:ARG:HG2	20	0.11
(1,1623)	1:82:A:ILE:HG22	1:84:A:ARG:HG2	20	0.11
(1,1623)	1:82:A:ILE:HG23	1:84:A:ARG:HG2	20	0.11
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	6	0.11
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	6	0.11
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	6	0.11
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	6	0.11
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	6	0.11
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	6	0.11
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	3	0.11
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	3	0.11
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	3	0.11
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	3	0.11
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	3	0.11
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	6	0.11
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	6	0.11
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	6	0.11
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	6	0.11
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	6	0.11
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	6	0.11
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	29	0.11
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	29	0.11
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	29	0.11
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	29	0.11
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	29	0.11
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	29	0.11
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	21	0.11
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	21	0.11
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	21	0.11
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	24	0.11
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	24	0.11
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	24	0.11
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	25	0.11
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	25	0.11
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	25	0.11
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	32	0.11
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	32	0.11
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	32	0.11
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	37	0.11
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	37	0.11
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	37	0.11
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	38	0.11
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	38	0.11
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	38	0.11
(1,1548)	1:10:A:ILE:HG21	1:83:A:ALA:HB1	3	0.11
(1,1548)	1:10:A:ILE:HG21	1:83:A:ALA:HB2	3	0.11
(1,1548)	1:10:A:ILE:HG21	1:83:A:ALA:HB3	3	0.11
(1,1548)	1:10:A:ILE:HG22	1:83:A:ALA:HB1	3	0.11
(1,1548)	1:10:A:ILE:HG22	1:83:A:ALA:HB2	3	0.11
(1,1548)	1:10:A:ILE:HG22	1:83:A:ALA:HB3	3	0.11
(1,1548)	1:10:A:ILE:HG23	1:83:A:ALA:HB1	3	0.11
(1,1548)	1:10:A:ILE:HG23	1:83:A:ALA:HB2	3	0.11
(1,1548)	1:10:A:ILE:HG23	1:83:A:ALA:HB3	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1548)	1:10:A:ILE:HG21	1:83:A:ALA:HB1	10	0.11
(1,1548)	1:10:A:ILE:HG21	1:83:A:ALA:HB2	10	0.11
(1,1548)	1:10:A:ILE:HG21	1:83:A:ALA:HB3	10	0.11
(1,1548)	1:10:A:ILE:HG22	1:83:A:ALA:HB1	10	0.11
(1,1548)	1:10:A:ILE:HG22	1:83:A:ALA:HB2	10	0.11
(1,1548)	1:10:A:ILE:HG22	1:83:A:ALA:HB3	10	0.11
(1,1548)	1:10:A:ILE:HG23	1:83:A:ALA:HB1	10	0.11
(1,1548)	1:10:A:ILE:HG23	1:83:A:ALA:HB2	10	0.11
(1,1548)	1:10:A:ILE:HG23	1:83:A:ALA:HB3	10	0.11
(1,1548)	1:10:A:ILE:HG21	1:83:A:ALA:HB1	14	0.11
(1,1548)	1:10:A:ILE:HG21	1:83:A:ALA:HB2	14	0.11
(1,1548)	1:10:A:ILE:HG21	1:83:A:ALA:HB3	14	0.11
(1,1548)	1:10:A:ILE:HG22	1:83:A:ALA:HB1	14	0.11
(1,1548)	1:10:A:ILE:HG22	1:83:A:ALA:HB2	14	0.11
(1,1548)	1:10:A:ILE:HG22	1:83:A:ALA:HB3	14	0.11
(1,1548)	1:10:A:ILE:HG23	1:83:A:ALA:HB1	14	0.11
(1,1548)	1:10:A:ILE:HG23	1:83:A:ALA:HB2	14	0.11
(1,1548)	1:10:A:ILE:HG23	1:83:A:ALA:HB3	14	0.11
(1,1518)	1:66:A:MET:HE1	1:66:A:MET:HA	6	0.11
(1,1518)	1:66:A:MET:HE2	1:66:A:MET:HA	6	0.11
(1,1518)	1:66:A:MET:HE3	1:66:A:MET:HA	6	0.11
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	9	0.11
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	9	0.11
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	9	0.11
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	14	0.11
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	14	0.11
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	14	0.11
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	22	0.11
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	22	0.11
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	22	0.11
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	25	0.11
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	25	0.11
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	25	0.11
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	30	0.11
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	30	0.11
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	30	0.11
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	2	0.11
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	2	0.11
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	2	0.11
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	4	0.11
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	4	0.11
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	14	0.11
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	14	0.11
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	14	0.11
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	23	0.11
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	23	0.11
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	23	0.11
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	24	0.11
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	24	0.11
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	24	0.11
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	32	0.11
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	32	0.11
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	32	0.11
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE1	39	0.11
(1,1509)	1:66:A:MET:HE1	1:79:A:TYR:HE2	39	0.11
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE1	39	0.11
(1,1509)	1:66:A:MET:HE2	1:79:A:TYR:HE2	39	0.11
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE1	39	0.11
(1,1509)	1:66:A:MET:HE3	1:79:A:TYR:HE2	39	0.11
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	3	0.11
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	3	0.11
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	3	0.11
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	9	0.11
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	9	0.11
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	9	0.11
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	11	0.11
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	11	0.11
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	11	0.11
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	18	0.11
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	18	0.11
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	18	0.11
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	20	0.11
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	20	0.11
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	20	0.11
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	23	0.11
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	23	0.11
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	23	0.11
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	25	0.11
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	25	0.11
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	25	0.11
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	26	0.11
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	26	0.11
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	26	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	30	0.11
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	30	0.11
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	30	0.11
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	31	0.11
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	31	0.11
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	31	0.11
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	4	0.11
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	4	0.11
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	4	0.11
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	15	0.11
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	15	0.11
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	15	0.11
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	16	0.11
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	16	0.11
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	16	0.11
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	19	0.11
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	19	0.11
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	19	0.11
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	29	0.11
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	29	0.11
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	29	0.11
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	33	0.11
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	33	0.11
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	33	0.11
(1,1503)	1:66:A:MET:HE1	1:66:A:MET:HG2	39	0.11
(1,1503)	1:66:A:MET:HE2	1:66:A:MET:HG2	39	0.11
(1,1503)	1:66:A:MET:HE3	1:66:A:MET:HG2	39	0.11
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD11	9	0.11
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD12	9	0.11
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD13	9	0.11
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD11	9	0.11
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD12	9	0.11
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD13	9	0.11
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD11	9	0.11
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD12	9	0.11
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD13	9	0.11
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD11	35	0.11
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD12	35	0.11
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD13	35	0.11
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD11	35	0.11
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD12	35	0.11
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD13	35	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD11	35	0.11
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD12	35	0.11
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD13	35	0.11
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	12	0.11
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	12	0.11
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	12	0.11
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	15	0.11
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	15	0.11
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	15	0.11
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	23	0.11
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	23	0.11
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	23	0.11
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	33	0.11
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	33	0.11
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	33	0.11
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	39	0.11
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	39	0.11
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	39	0.11
(1,1484)	1:81:A:VAL:HB	1:42:A:TRP:HE1	10	0.11
(1,1484)	1:81:A:VAL:HB	1:42:A:TRP:HE1	11	0.11
(1,1484)	1:81:A:VAL:HB	1:42:A:TRP:HE1	34	0.11
(1,1436)	1:33:A:VAL:HG21	1:32:A:GLU:HA	27	0.11
(1,1436)	1:33:A:VAL:HG22	1:32:A:GLU:HA	27	0.11
(1,1436)	1:33:A:VAL:HG23	1:32:A:GLU:HA	27	0.11
(1,1420)	1:21:A:VAL:HG21	1:19:A:ILE:HD11	9	0.11
(1,1420)	1:21:A:VAL:HG21	1:19:A:ILE:HD12	9	0.11
(1,1420)	1:21:A:VAL:HG21	1:19:A:ILE:HD13	9	0.11
(1,1420)	1:21:A:VAL:HG22	1:19:A:ILE:HD11	9	0.11
(1,1420)	1:21:A:VAL:HG22	1:19:A:ILE:HD12	9	0.11
(1,1420)	1:21:A:VAL:HG22	1:19:A:ILE:HD13	9	0.11
(1,1420)	1:21:A:VAL:HG23	1:19:A:ILE:HD11	9	0.11
(1,1420)	1:21:A:VAL:HG23	1:19:A:ILE:HD12	9	0.11
(1,1420)	1:21:A:VAL:HG23	1:19:A:ILE:HD13	9	0.11
(1,1420)	1:21:A:VAL:HG21	1:19:A:ILE:HD11	15	0.11
(1,1420)	1:21:A:VAL:HG21	1:19:A:ILE:HD12	15	0.11
(1,1420)	1:21:A:VAL:HG21	1:19:A:ILE:HD13	15	0.11
(1,1420)	1:21:A:VAL:HG22	1:19:A:ILE:HD11	15	0.11
(1,1420)	1:21:A:VAL:HG22	1:19:A:ILE:HD12	15	0.11
(1,1420)	1:21:A:VAL:HG22	1:19:A:ILE:HD13	15	0.11
(1,1420)	1:21:A:VAL:HG23	1:19:A:ILE:HD11	15	0.11
(1,1420)	1:21:A:VAL:HG23	1:19:A:ILE:HD12	15	0.11
(1,1420)	1:21:A:VAL:HG23	1:19:A:ILE:HD13	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1418)	1:21:A:VAL:HG11	1:27:A:ALA:HB1	9	0.11
(1,1418)	1:21:A:VAL:HG11	1:27:A:ALA:HB2	9	0.11
(1,1418)	1:21:A:VAL:HG11	1:27:A:ALA:HB3	9	0.11
(1,1418)	1:21:A:VAL:HG12	1:27:A:ALA:HB1	9	0.11
(1,1418)	1:21:A:VAL:HG12	1:27:A:ALA:HB2	9	0.11
(1,1418)	1:21:A:VAL:HG12	1:27:A:ALA:HB3	9	0.11
(1,1418)	1:21:A:VAL:HG13	1:27:A:ALA:HB1	9	0.11
(1,1418)	1:21:A:VAL:HG13	1:27:A:ALA:HB2	9	0.11
(1,1418)	1:21:A:VAL:HG13	1:27:A:ALA:HB3	9	0.11
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	7	0.11
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	7	0.11
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	7	0.11
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	9	0.11
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	9	0.11
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	9	0.11
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	21	0.11
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	21	0.11
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	21	0.11
(1,1403)	1:95:A:ALA:HB1	1:18:A:ASN:H	37	0.11
(1,1403)	1:95:A:ALA:HB2	1:18:A:ASN:H	37	0.11
(1,1403)	1:95:A:ALA:HB3	1:18:A:ASN:H	37	0.11
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	14	0.11
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	14	0.11
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	14	0.11
(1,1401)	1:95:A:ALA:HB1	1:96:A:GLU:H	27	0.11
(1,1401)	1:95:A:ALA:HB2	1:96:A:GLU:H	27	0.11
(1,1401)	1:95:A:ALA:HB3	1:96:A:GLU:H	27	0.11
(1,1396)	1:95:A:ALA:HB1	1:94:A:THR:HA	28	0.11
(1,1396)	1:95:A:ALA:HB2	1:94:A:THR:HA	28	0.11
(1,1396)	1:95:A:ALA:HB3	1:94:A:THR:HA	28	0.11
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	16	0.11
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	16	0.11
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	16	0.11
(1,1387)	1:91:A:ALA:HB1	1:12:A:PHE:HZ	26	0.11
(1,1387)	1:91:A:ALA:HB2	1:12:A:PHE:HZ	26	0.11
(1,1387)	1:91:A:ALA:HB3	1:12:A:PHE:HZ	26	0.11
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	5	0.11
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	5	0.11
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	5	0.11
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	5	0.11
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	5	0.11
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	5	0.11
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	5	0.11
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	5	0.11
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	9	0.11
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	9	0.11
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	9	0.11
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	9	0.11
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	9	0.11
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	9	0.11
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	9	0.11
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	9	0.11
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	9	0.11
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	14	0.11
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	14	0.11
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	14	0.11
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	14	0.11
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	14	0.11
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	14	0.11
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	14	0.11
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	14	0.11
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	14	0.11
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	19	0.11
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	19	0.11
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	19	0.11
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	19	0.11
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	19	0.11
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	19	0.11
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	19	0.11
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	19	0.11
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	19	0.11
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	22	0.11
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	22	0.11
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	22	0.11
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	22	0.11
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	22	0.11
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	22	0.11
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	22	0.11
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	22	0.11
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	22	0.11
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	5	0.11
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	5	0.11
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	5	0.11
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	5	0.11
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	5	0.11
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	5	0.11
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	5	0.11
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	5	0.11
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	9	0.11
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	9	0.11
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	9	0.11
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	9	0.11
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	9	0.11
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	9	0.11
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	9	0.11
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	9	0.11
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	9	0.11
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	14	0.11
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	14	0.11
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	14	0.11
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	14	0.11
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	14	0.11
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	14	0.11
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	14	0.11
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	14	0.11
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	14	0.11
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	19	0.11
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	19	0.11
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	19	0.11
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	19	0.11
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	19	0.11
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	19	0.11
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	19	0.11
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	19	0.11
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	19	0.11
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	22	0.11
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	22	0.11
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	22	0.11
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	22	0.11
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	22	0.11
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	22	0.11
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	22	0.11
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	22	0.11
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	22	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	7	0.11
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	7	0.11
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	7	0.11
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	10	0.11
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	10	0.11
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	10	0.11
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	15	0.11
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	15	0.11
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	15	0.11
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	16	0.11
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	16	0.11
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	16	0.11
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	22	0.11
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	22	0.11
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	22	0.11
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	27	0.11
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	27	0.11
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	27	0.11
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	28	0.11
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	28	0.11
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	28	0.11
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	29	0.11
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	29	0.11
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	29	0.11
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	37	0.11
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	37	0.11
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	37	0.11
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	2	0.11
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	2	0.11
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	2	0.11
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	5	0.11
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	5	0.11
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	5	0.11
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	6	0.11
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	6	0.11
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	6	0.11
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	9	0.11
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	9	0.11
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	9	0.11
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	11	0.11
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	11	0.11
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	22	0.11
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	22	0.11
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	22	0.11
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	23	0.11
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	23	0.11
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	23	0.11
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	25	0.11
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	25	0.11
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	25	0.11
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	32	0.11
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	32	0.11
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	32	0.11
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	39	0.11
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	39	0.11
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	39	0.11
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	3	0.11
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	3	0.11
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	3	0.11
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	6	0.11
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	6	0.11
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	6	0.11
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	14	0.11
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	14	0.11
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	14	0.11
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	15	0.11
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	15	0.11
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	15	0.11
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	19	0.11
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	19	0.11
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	19	0.11
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	20	0.11
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	20	0.11
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	20	0.11
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	23	0.11
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	23	0.11
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	23	0.11
(1,1343)	1:16:A:ILE:HD11	1:16:A:ILE:HA	40	0.11
(1,1343)	1:16:A:ILE:HD12	1:16:A:ILE:HA	40	0.11
(1,1343)	1:16:A:ILE:HD13	1:16:A:ILE:HA	40	0.11
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	7	0.11
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	8	0.11
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	21	0.11
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	25	0.11
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	30	0.11
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	33	0.11
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	37	0.11
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	22	0.11
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	22	0.11
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	22	0.11
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	32	0.11
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	32	0.11
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	32	0.11
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	33	0.11
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	33	0.11
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	33	0.11
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG21	37	0.11
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG22	37	0.11
(1,1291)	1:40:A:VAL:HB	1:81:A:VAL:HG23	37	0.11
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	2	0.11
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	2	0.11
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	2	0.11
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	2	0.11
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	2	0.11
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	2	0.11
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	2	0.11
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	2	0.11
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	2	0.11
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	13	0.11
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	13	0.11
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	13	0.11
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	13	0.11
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	13	0.11
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	13	0.11
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	13	0.11
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	13	0.11
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	13	0.11
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB1	14	0.11
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB2	14	0.11
(1,1290)	1:40:A:VAL:HG21	1:83:A:ALA:HB3	14	0.11
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB1	14	0.11
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB2	14	0.11
(1,1290)	1:40:A:VAL:HG22	1:83:A:ALA:HB3	14	0.11
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB1	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB2	14	0.11
(1,1290)	1:40:A:VAL:HG23	1:83:A:ALA:HB3	14	0.11
(1,1289)	1:40:A:VAL:HG21	1:42:A:TRP:HE1	12	0.11
(1,1289)	1:40:A:VAL:HG22	1:42:A:TRP:HE1	12	0.11
(1,1289)	1:40:A:VAL:HG23	1:42:A:TRP:HE1	12	0.11
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	22	0.11
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	22	0.11
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	22	0.11
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	32	0.11
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	32	0.11
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	32	0.11
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	33	0.11
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	33	0.11
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	33	0.11
(1,1278)	1:81:A:VAL:HG21	1:40:A:VAL:HB	37	0.11
(1,1278)	1:81:A:VAL:HG22	1:40:A:VAL:HB	37	0.11
(1,1278)	1:81:A:VAL:HG23	1:40:A:VAL:HB	37	0.11
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG11	16	0.11
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG12	16	0.11
(1,1268)	1:94:A:THR:HG21	1:78:A:VAL:HG13	16	0.11
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG11	16	0.11
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG12	16	0.11
(1,1268)	1:94:A:THR:HG22	1:78:A:VAL:HG13	16	0.11
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG11	16	0.11
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG12	16	0.11
(1,1268)	1:94:A:THR:HG23	1:78:A:VAL:HG13	16	0.11
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	31	0.11
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	31	0.11
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	31	0.11
(1,1261)	1:67:A:THR:HG21	1:56:A:ASN:H	11	0.11
(1,1261)	1:67:A:THR:HG22	1:56:A:ASN:H	11	0.11
(1,1261)	1:67:A:THR:HG23	1:56:A:ASN:H	11	0.11
(1,1261)	1:67:A:THR:HG21	1:56:A:ASN:H	22	0.11
(1,1261)	1:67:A:THR:HG22	1:56:A:ASN:H	22	0.11
(1,1261)	1:67:A:THR:HG23	1:56:A:ASN:H	22	0.11
(1,1261)	1:67:A:THR:HG21	1:56:A:ASN:H	25	0.11
(1,1261)	1:67:A:THR:HG22	1:56:A:ASN:H	25	0.11
(1,1261)	1:67:A:THR:HG23	1:56:A:ASN:H	25	0.11
(1,1261)	1:67:A:THR:HG21	1:56:A:ASN:H	30	0.11
(1,1261)	1:67:A:THR:HG22	1:56:A:ASN:H	30	0.11
(1,1261)	1:67:A:THR:HG23	1:56:A:ASN:H	30	0.11
(1,1248)	1:28:A:THR:HG21	1:67:A:THR:HG21	34	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1248)	1:28:A:THR:HG21	1:67:A:THR:HG22	34	0.11
(1,1248)	1:28:A:THR:HG21	1:67:A:THR:HG23	34	0.11
(1,1248)	1:28:A:THR:HG22	1:67:A:THR:HG21	34	0.11
(1,1248)	1:28:A:THR:HG22	1:67:A:THR:HG22	34	0.11
(1,1248)	1:28:A:THR:HG22	1:67:A:THR:HG23	34	0.11
(1,1248)	1:28:A:THR:HG23	1:67:A:THR:HG21	34	0.11
(1,1248)	1:28:A:THR:HG23	1:67:A:THR:HG22	34	0.11
(1,1248)	1:28:A:THR:HG23	1:67:A:THR:HG23	34	0.11
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	4	0.11
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	4	0.11
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	4	0.11
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	11	0.11
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	11	0.11
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	11	0.11
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	16	0.11
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	16	0.11
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	16	0.11
(1,1244)	1:28:A:THR:HG21	1:30:A:GLU:H	27	0.11
(1,1244)	1:28:A:THR:HG22	1:30:A:GLU:H	27	0.11
(1,1244)	1:28:A:THR:HG23	1:30:A:GLU:H	27	0.11
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	7	0.11
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	7	0.11
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	7	0.11
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	40	0.11
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	40	0.11
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	40	0.11
(1,1236)	1:13:A:THR:HG21	1:34:A:SER:HB3	2	0.11
(1,1236)	1:13:A:THR:HG22	1:34:A:SER:HB3	2	0.11
(1,1236)	1:13:A:THR:HG23	1:34:A:SER:HB3	2	0.11
(1,1236)	1:13:A:THR:HG21	1:34:A:SER:HB3	12	0.11
(1,1236)	1:13:A:THR:HG22	1:34:A:SER:HB3	12	0.11
(1,1236)	1:13:A:THR:HG23	1:34:A:SER:HB3	12	0.11
(1,1236)	1:13:A:THR:HG21	1:34:A:SER:HB3	19	0.11
(1,1236)	1:13:A:THR:HG22	1:34:A:SER:HB3	19	0.11
(1,1236)	1:13:A:THR:HG23	1:34:A:SER:HB3	19	0.11
(1,1226)	1:101:A:LEU:H	1:22:A:SER:HA	3	0.11
(1,1226)	1:101:A:LEU:H	1:22:A:SER:HA	13	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	2	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	2	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	2	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	5	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	5	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	21	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	21	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	21	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	24	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	24	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	24	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	30	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	30	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	30	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	31	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	31	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	31	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	32	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	32	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	32	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	33	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	33	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	33	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	35	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	35	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	35	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	36	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	36	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	36	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	38	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	38	0.11
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	38	0.11
(1,1217)	1:69:A:HIS:H	1:56:A:ASN:H	31	0.11
(1,1217)	1:69:A:HIS:H	1:56:A:ASN:H	34	0.11
(1,1217)	1:69:A:HIS:H	1:56:A:ASN:H	40	0.11
(1,1213)	1:66:A:MET:H	1:28:A:THR:HA	8	0.11
(1,1213)	1:66:A:MET:H	1:28:A:THR:HA	9	0.11
(1,1213)	1:66:A:MET:H	1:28:A:THR:HA	30	0.11
(1,1213)	1:66:A:MET:H	1:28:A:THR:HA	33	0.11
(1,1213)	1:66:A:MET:H	1:28:A:THR:HA	34	0.11
(1,1213)	1:66:A:MET:H	1:28:A:THR:HA	40	0.11
(1,1208)	1:56:A:ASN:H	1:66:A:MET:HG2	32	0.11
(1,1204)	1:42:A:TRP:H	1:57:A:PHE:HE1	7	0.11
(1,1204)	1:42:A:TRP:H	1:57:A:PHE:HE2	7	0.11
(1,1204)	1:42:A:TRP:H	1:57:A:PHE:HE1	29	0.11
(1,1204)	1:42:A:TRP:H	1:57:A:PHE:HE2	29	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1204)	1:42:A:TRP:H	1:57:A:PHE:HE1	39	0.11
(1,1204)	1:42:A:TRP:H	1:57:A:PHE:HE2	39	0.11
(1,1197)	1:33:A:VAL:H	1:63:A:CYS:HA	4	0.11
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	3	0.11
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	22	0.11
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	24	0.11
(1,1176)	1:47:A:THR:H	1:44:A:LYS:HB3	40	0.11
(1,1149)	1:54:A:LYS:H	1:53:A:GLN:HG3	4	0.11
(1,1149)	1:54:A:LYS:H	1:53:A:GLN:HG3	13	0.11
(1,1149)	1:54:A:LYS:H	1:53:A:GLN:HG3	39	0.11
(1,1149)	1:54:A:LYS:H	1:53:A:GLN:HG3	40	0.11
(1,1130)	1:40:A:VAL:H	1:83:A:ALA:HB1	7	0.11
(1,1130)	1:40:A:VAL:H	1:83:A:ALA:HB2	7	0.11
(1,1130)	1:40:A:VAL:H	1:83:A:ALA:HB3	7	0.11
(1,1064)	1:71:A:VAL:H	1:25:A:GLN:H	5	0.11
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	17	0.11
(1,1037)	1:56:A:ASN:HD22	1:56:A:ASN:HA	7	0.11
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	1	0.11
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	4	0.11
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	23	0.11
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	26	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	3	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	3	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	3	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	4	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	4	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	4	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	15	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	15	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	15	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	22	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	22	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	22	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	25	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	25	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	25	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	30	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	30	0.11
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	30	0.11
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	3	0.11
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	4	0.11
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	14	0.11
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	15	0.11
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	17	0.11
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	14	0.11
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	16	0.11
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	27	0.11
(1,967)	1:21:A:VAL:H	1:99:A:GLY:HA3	28	0.11
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	12	0.11
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	17	0.11
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	18	0.11
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	24	0.11
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	26	0.11
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	36	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	3	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	3	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	3	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	6	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	6	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	6	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	8	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	8	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	8	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	16	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	16	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	16	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	25	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	25	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	25	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	29	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	29	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	29	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	32	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	32	0.11
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	32	0.11
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	3	0.11
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	10	0.11
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	13	0.11
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	15	0.11
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	18	0.11
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	26	0.11
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	27	0.11
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	29	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	32	0.11
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	35	0.11
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	37	0.11
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	2	0.11
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	5	0.11
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	11	0.11
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	12	0.11
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	17	0.11
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	19	0.11
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	25	0.11
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	26	0.11
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	36	0.11
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	38	0.11
(1,879)	1:30:A:GLU:H	1:29:A:PHE:HB2	12	0.11
(1,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	29	0.11
(1,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	34	0.11
(1,860)	1:86:A:GLU:H	1:85:A:LEU:HA	3	0.11
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	11	0.11
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	11	0.11
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	11	0.11
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG21	17	0.11
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG22	17	0.11
(1,814)	1:25:A:GLN:H	1:71:A:VAL:HG23	17	0.11
(1,813)	1:25:A:GLN:H	1:25:A:GLN:HG3	4	0.11
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	13	0.11
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	19	0.11
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	25	0.11
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	27	0.11
(1,742)	1:76:A:GLU:H	1:77:A:GLY:H	3	0.11
(1,742)	1:76:A:GLU:H	1:77:A:GLY:H	10	0.11
(1,742)	1:76:A:GLU:H	1:77:A:GLY:H	14	0.11
(1,742)	1:76:A:GLU:H	1:77:A:GLY:H	16	0.11
(1,742)	1:76:A:GLU:H	1:77:A:GLY:H	17	0.11
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	4	0.11
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	5	0.11
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	19	0.11
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	21	0.11
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	32	0.11
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	34	0.11
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	36	0.11
(1,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	11	0.11
(1,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	25	0.11
(1,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	35	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	2	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	3	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	4	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	5	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	6	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	11	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	12	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	13	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	14	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	15	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	16	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	21	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	22	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	25	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	26	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	32	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	37	0.11
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	38	0.11
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	1	0.11
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	3	0.11
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	8	0.11
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	21	0.11
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	25	0.11
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	28	0.11
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	31	0.11
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	32	0.11
(1,653)	1:100:A:GLU:H	1:100:A:GLU:HG2	38	0.11
(1,650)	1:100:A:GLU:H	1:99:A:GLY:HA3	22	0.11
(1,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	10	0.11
(1,595)	1:3:A:ASP:H	1:2:A:ILE:HG21	14	0.11
(1,595)	1:3:A:ASP:H	1:2:A:ILE:HG22	14	0.11
(1,595)	1:3:A:ASP:H	1:2:A:ILE:HG23	14	0.11
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	9	0.11
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	9	0.11
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	9	0.11
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	17	0.11
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	17	0.11
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	17	0.11
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	28	0.11
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	28	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	28	0.11
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	29	0.11
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	29	0.11
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	29	0.11
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD1	18	0.11
(1,558)	1:47:A:THR:H	1:43:A:TYR:HD2	18	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	2	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	2	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	2	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	4	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	4	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	4	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	5	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	5	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	5	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	7	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	7	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	7	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	8	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	8	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	8	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	10	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	10	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	10	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	13	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	13	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	13	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	14	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	14	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	14	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	15	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	15	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	15	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	17	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	17	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	17	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	21	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	21	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	21	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	22	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	22	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	22	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	24	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	24	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	24	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	25	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	25	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	25	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	26	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	26	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	26	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	28	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	28	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	28	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	30	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	30	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	30	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	31	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	31	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	31	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	32	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	32	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	32	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	34	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	34	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	34	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	36	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	36	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	36	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	37	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	37	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	37	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	38	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	38	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	38	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	39	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	39	0.11
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	39	0.11
(1,549)	1:71:A:VAL:H	1:70:A:ASN:HB2	26	0.11
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	2	0.11
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	3	0.11
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	6	0.11
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	9	0.11
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	11	0.11
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	15	0.11
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	19	0.11
(1,547)	1:71:A:VAL:H	1:71:A:VAL:HA	28	0.11
(1,546)	1:71:A:VAL:H	1:24:A:HIS:HA	9	0.11
(1,531)	1:99:A:GLY:H	1:98:A:LYS:HG2	9	0.11
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	5	0.11
(1,528)	1:99:A:GLY:H	1:98:A:LYS:HB2	7	0.11
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	2	0.11
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	7	0.11
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	12	0.11
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	16	0.11
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	24	0.11
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	33	0.11
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	40	0.11
(1,419)	1:69:A:HIS:H	1:54:A:LYS:HA	40	0.11
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD21	22	0.11
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD22	22	0.11
(1,404)	1:77:A:GLY:H	1:97:A:LEU:HD23	22	0.11
(1,393)	1:77:A:GLY:H	1:96:A:GLU:HA	14	0.11
(1,393)	1:77:A:GLY:H	1:96:A:GLU:HA	28	0.11
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	7	0.11
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	7	0.11
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	7	0.11
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	9	0.11
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	9	0.11
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	9	0.11
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	21	0.11
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	21	0.11
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	21	0.11
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB1	37	0.11
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB2	37	0.11
(1,370)	1:18:A:ASN:H	1:95:A:ALA:HB3	37	0.11
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	13	0.11
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	14	0.11
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	16	0.11
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	20	0.11
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	21	0.11
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	30	0.11
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	33	0.11
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	8	0.11
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	20	0.11
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	20	0.11
(1,314)	1:63:A:CYS:H	1:64:A:HIS:HD2	8	0.11
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	12	0.11
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	29	0.11
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	38	0.11
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	2	0.11
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	4	0.11
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	9	0.11
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	16	0.11
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	27	0.11
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	31	0.11
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	37	0.11
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	3	0.11
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	4	0.11
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	5	0.11
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	8	0.11
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	14	0.11
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	17	0.11
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	18	0.11
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	26	0.11
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	29	0.11
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	30	0.11
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	31	0.11
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	32	0.11
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	34	0.11
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	35	0.11
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	37	0.11
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	40	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	3	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	3	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	14	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	14	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	15	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	15	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	19	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	19	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	22	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	22	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	28	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	28	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	32	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	32	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	33	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	33	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	35	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	35	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	40	0.11
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	40	0.11
(1,203)	1:90:A:GLU:H	1:91:A:ALA:H	1	0.11
(1,203)	1:90:A:GLU:H	1:91:A:ALA:H	4	0.11
(1,203)	1:90:A:GLU:H	1:91:A:ALA:H	5	0.11
(1,203)	1:90:A:GLU:H	1:91:A:ALA:H	8	0.11
(1,203)	1:90:A:GLU:H	1:91:A:ALA:H	9	0.11
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	11	0.11
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	18	0.11
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	34	0.11
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	38	0.11
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	39	0.11
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	9	0.11
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	9	0.11
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	9	0.11
(1,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	15	0.11
(1,182)	1:11:A:GLN:H	1:10:A:ILE:HD11	1	0.11
(1,182)	1:11:A:GLN:H	1:10:A:ILE:HD12	1	0.11
(1,182)	1:11:A:GLN:H	1:10:A:ILE:HD13	1	0.11
(1,182)	1:11:A:GLN:H	1:10:A:ILE:HD11	3	0.11
(1,182)	1:11:A:GLN:H	1:10:A:ILE:HD12	3	0.11
(1,182)	1:11:A:GLN:H	1:10:A:ILE:HD13	3	0.11
(1,182)	1:11:A:GLN:H	1:10:A:ILE:HD11	8	0.11
(1,182)	1:11:A:GLN:H	1:10:A:ILE:HD12	8	0.11
(1,182)	1:11:A:GLN:H	1:10:A:ILE:HD13	8	0.11
(1,182)	1:11:A:GLN:H	1:10:A:ILE:HD11	20	0.11
(1,182)	1:11:A:GLN:H	1:10:A:ILE:HD12	20	0.11
(1,182)	1:11:A:GLN:H	1:10:A:ILE:HD13	20	0.11
(1,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	8	0.11
(1,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	9	0.11
(1,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	11	0.11
(1,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	13	0.11
(1,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	17	0.11
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	27	0.11
(1,142)	1:101:A:LEU:H	1:100:A:GLU:HB2	39	0.11
(1,111)	1:63:A:CYS:H	1:60:A:ASP:H	9	0.11
(1,111)	1:63:A:CYS:H	1:60:A:ASP:H	31	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:42:A:TRP:H	1:42:A:TRP:HB3	1	0.11
(1,55)	1:42:A:TRP:H	1:42:A:TRP:HB3	5	0.11
(1,55)	1:42:A:TRP:H	1:42:A:TRP:HB3	18	0.11
(1,55)	1:42:A:TRP:H	1:42:A:TRP:HB3	22	0.11
(1,55)	1:42:A:TRP:H	1:42:A:TRP:HB3	34	0.11
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	4	0.11
(1,49)	1:57:A:PHE:H	1:56:A:ASN:HB2	19	0.11
(1,37)	1:88:A:ARG:H	1:88:A:ARG:HB3	29	0.11
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	25	0.11
(1,35)	1:88:A:ARG:H	1:88:A:ARG:HG2	27	0.11
(1,24)	1:89:A:GLY:H	1:9:A:PRO:HB3	16	0.11
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	1	0.1
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	1	0.1
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	3	0.1
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	3	0.1
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	22	0.1
(3,3215)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	22	0.1
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	1	0.1
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	1	0.1
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	1	0.1
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	32	0.1
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	32	0.1
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	32	0.1
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	34	0.1
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	34	0.1
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	34	0.1
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	35	0.1
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	35	0.1
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	35	0.1
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	36	0.1
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	36	0.1
(3,3200)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	36	0.1
(3,3191)	1:43:A:TYR:HD1	1:44:A:LYS:H	2	0.1
(3,3191)	1:43:A:TYR:HD2	1:44:A:LYS:H	2	0.1
(3,3191)	1:43:A:TYR:HD1	1:44:A:LYS:H	6	0.1
(3,3191)	1:43:A:TYR:HD2	1:44:A:LYS:H	6	0.1
(3,3189)	1:43:A:TYR:HE1	1:82:A:ILE:HG13	14	0.1
(3,3189)	1:43:A:TYR:HE2	1:82:A:ILE:HG13	14	0.1
(3,3189)	1:43:A:TYR:HE1	1:82:A:ILE:HG13	17	0.1
(3,3189)	1:43:A:TYR:HE2	1:82:A:ILE:HG13	17	0.1
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	3	0.1
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	3	0.1
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE1	37	0.1
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE2	37	0.1
(3,3182)	1:42:A:TRP:HE1	1:66:A:MET:HE3	37	0.1
(3,3164)	1:42:A:TRP:HD1	1:41:A:THR:HA	10	0.1
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	5	0.1
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	5	0.1
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	13	0.1
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	13	0.1
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	21	0.1
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	21	0.1
(3,3143)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	31	0.1
(3,3143)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	31	0.1
(3,3140)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	40	0.1
(3,3140)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	40	0.1
(3,3139)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	6	0.1
(3,3139)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	6	0.1
(3,3139)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	12	0.1
(3,3139)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	12	0.1
(3,3137)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	18	0.1
(3,3137)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	18	0.1
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	5	0.1
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	5	0.1
(3,3124)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	5	0.1
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	5	0.1
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	5	0.1
(3,3124)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	5	0.1
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	12	0.1
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	12	0.1
(3,3122)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	12	0.1
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	12	0.1
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	12	0.1
(3,3122)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	12	0.1
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	4	0.1
(3,3106)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	4	0.1
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	4	0.1
(3,3106)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	4	0.1
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE1	37	0.1
(3,3098)	1:66:A:MET:HE1	1:55:A:TYR:HE2	37	0.1
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE1	37	0.1
(3,3098)	1:66:A:MET:HE2	1:55:A:TYR:HE2	37	0.1
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE1	37	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3098)	1:66:A:MET:HE3	1:55:A:TYR:HE2	37	0.1
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	11	0.1
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	11	0.1
(3,3090)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	11	0.1
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	4	0.1
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	4	0.1
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	20	0.1
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	20	0.1
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	27	0.1
(3,3088)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	27	0.1
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG21	12	0.1
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG22	12	0.1
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG23	12	0.1
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG21	21	0.1
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG22	21	0.1
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG23	21	0.1
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG21	40	0.1
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG22	40	0.1
(3,3048)	1:55:A:TYR:HA	1:68:A:ILE:HG23	40	0.1
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	32	0.1
(3,3041)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	32	0.1
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	7	0.1
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	7	0.1
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	20	0.1
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	20	0.1
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	30	0.1
(3,3021)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	30	0.1
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	3	0.1
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	3	0.1
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	3	0.1
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG21	14	0.1
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG22	14	0.1
(3,3020)	1:30:A:GLU:HG3	1:28:A:THR:HG23	14	0.1
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	8	0.1
(3,3019)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	12	0.1
(3,3017)	1:102:A:ARG:HD3	1:102:A:ARG:HB2	19	0.1
(3,3004)	1:15:A:ARG:HG2	1:93:A:SER:HB3	2	0.1
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	2	0.1
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	5	0.1
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	27	0.1
(3,2982)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	36	0.1
(3,2981)	1:88:A:ARG:HD2	1:35:A:PHE:HD1	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2981)	1:88:A:ARG:HD2	1:35:A:PHE:HD2	19	0.1
(3,2981)	1:88:A:ARG:HD2	1:35:A:PHE:HD1	20	0.1
(3,2981)	1:88:A:ARG:HD2	1:35:A:PHE:HD2	20	0.1
(3,2957)	1:8:A:GLU:HG2	1:8:A:GLU:HA	31	0.1
(3,2956)	1:8:A:GLU:HG2	1:8:A:GLU:HB2	16	0.1
(3,2949)	1:90:A:GLU:HA	1:84:A:ARG:HA	14	0.1
(3,2947)	1:44:A:LYS:HB2	1:47:A:THR:HG21	10	0.1
(3,2947)	1:44:A:LYS:HB2	1:47:A:THR:HG22	10	0.1
(3,2947)	1:44:A:LYS:HB2	1:47:A:THR:HG23	10	0.1
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	5	0.1
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	5	0.1
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	13	0.1
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	13	0.1
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	21	0.1
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	21	0.1
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	31	0.1
(3,2944)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	31	0.1
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	7	0.1
(3,2938)	1:26:A:SER:HA	1:70:A:ASN:H	32	0.1
(3,2937)	1:17:A:GLN:HG2	1:18:A:ASN:H	7	0.1
(3,2937)	1:17:A:GLN:HG2	1:18:A:ASN:H	22	0.1
(3,2917)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	16	0.1
(3,2917)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	37	0.1
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	10	0.1
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	16	0.1
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	21	0.1
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	27	0.1
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	30	0.1
(3,2848)	1:84:A:ARG:HG2	1:84:A:ARG:HA	39	0.1
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	1	0.1
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	10	0.1
(3,2809)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	13	0.1
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	18	0.1
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	22	0.1
(3,2761)	1:90:A:GLU:HB3	1:91:A:ALA:H	23	0.1
(3,2720)	1:48:A:GLU:HA	1:41:A:THR:HG21	6	0.1
(3,2720)	1:48:A:GLU:HA	1:41:A:THR:HG22	6	0.1
(3,2720)	1:48:A:GLU:HA	1:41:A:THR:HG23	6	0.1
(3,2720)	1:48:A:GLU:HA	1:41:A:THR:HG21	9	0.1
(3,2720)	1:48:A:GLU:HA	1:41:A:THR:HG22	9	0.1
(3,2720)	1:48:A:GLU:HA	1:41:A:THR:HG23	9	0.1
(3,2720)	1:48:A:GLU:HA	1:41:A:THR:HG21	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2720)	1:48:A:GLU:HA	1:41:A:THR:HG22	20	0.1
(3,2720)	1:48:A:GLU:HA	1:41:A:THR:HG23	20	0.1
(3,2719)	1:48:A:GLU:HA	1:49:A:LEU:HG	8	0.1
(3,2719)	1:48:A:GLU:HA	1:49:A:LEU:HG	27	0.1
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	18	0.1
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	29	0.1
(3,2703)	1:23:A:GLU:HA	1:24:A:HIS:HA	37	0.1
(3,2690)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	31	0.1
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	2	0.1
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	2	0.1
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	2	0.1
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	12	0.1
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	12	0.1
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	12	0.1
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	29	0.1
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	29	0.1
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	29	0.1
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	34	0.1
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	34	0.1
(3,2667)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	34	0.1
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	4	0.1
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	12	0.1
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	31	0.1
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	32	0.1
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	34	0.1
(3,2653)	1:17:A:GLN:HB2	1:18:A:ASN:H	38	0.1
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	23	0.1
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	33	0.1
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	34	0.1
(3,2650)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	40	0.1
(3,2613)	1:60:A:ASP:HB3	1:60:A:ASP:H	3	0.1
(3,2613)	1:60:A:ASP:HB3	1:60:A:ASP:H	5	0.1
(3,2613)	1:60:A:ASP:HB3	1:60:A:ASP:H	12	0.1
(3,2612)	1:60:A:ASP:HB3	1:60:A:ASP:H	3	0.1
(3,2612)	1:60:A:ASP:HB3	1:60:A:ASP:H	5	0.1
(3,2612)	1:60:A:ASP:HB3	1:60:A:ASP:H	12	0.1
(3,2554)	1:92:A:ARG:HA	1:83:A:ALA:H	15	0.1
(3,2548)	1:70:A:ASN:HA	1:24:A:HIS:HA	33	0.1
(3,2541)	1:73:A:PRO:HG3	1:73:A:PRO:HA	28	0.1
(3,2541)	1:73:A:PRO:HG3	1:73:A:PRO:HA	32	0.1
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	20	0.1
(3,2434)	1:82:A:ILE:HB	1:41:A:THR:H	39	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	8	0.1
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	14	0.1
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	28	0.1
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	29	0.1
(3,2419)	1:10:A:ILE:HB	1:9:A:PRO:HA	31	0.1
(3,2406)	1:66:A:MET:HE1	1:42:A:TRP:H	21	0.1
(3,2406)	1:66:A:MET:HE2	1:42:A:TRP:H	21	0.1
(3,2406)	1:66:A:MET:HE3	1:42:A:TRP:H	21	0.1
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	28	0.1
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	28	0.1
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	28	0.1
(3,2405)	1:66:A:MET:HE1	1:29:A:PHE:HZ	29	0.1
(3,2405)	1:66:A:MET:HE2	1:29:A:PHE:HZ	29	0.1
(3,2405)	1:66:A:MET:HE3	1:29:A:PHE:HZ	29	0.1
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG21	24	0.1
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG22	24	0.1
(3,2334)	1:26:A:SER:HA	1:68:A:ILE:HG23	24	0.1
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	4	0.1
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	4	0.1
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	4	0.1
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	25	0.1
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	25	0.1
(3,2268)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	25	0.1
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	23	0.1
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	23	0.1
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	23	0.1
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	29	0.1
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	29	0.1
(3,2168)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	29	0.1
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	4	0.1
(3,2148)	1:94:A:THR:HA	1:81:A:VAL:H	17	0.1
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	13	0.1
(3,2082)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	13	0.1
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	13	0.1
(3,2082)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	13	0.1
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	13	0.1
(3,2082)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	13	0.1
(3,2075)	1:97:A:LEU:HB2	1:19:A:ILE:HB	1	0.1
(3,2075)	1:97:A:LEU:HB2	1:19:A:ILE:HB	10	0.1
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	19	0.1
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	19	0.1
(3,2071)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	19	0.1
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	19	0.1
(3,2071)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	19	0.1
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	19	0.1
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	19	0.1
(3,2071)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	19	0.1
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE1	4	0.1
(3,2046)	1:66:A:MET:HE1	1:29:A:PHE:HE2	4	0.1
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE1	4	0.1
(3,2046)	1:66:A:MET:HE2	1:29:A:PHE:HE2	4	0.1
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE1	4	0.1
(3,2046)	1:66:A:MET:HE3	1:29:A:PHE:HE2	4	0.1
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	19	0.1
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	19	0.1
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	19	0.1
(3,2026)	1:50:A:THR:HG21	1:48:A:GLU:HG3	26	0.1
(3,2026)	1:50:A:THR:HG22	1:48:A:GLU:HG3	26	0.1
(3,2026)	1:50:A:THR:HG23	1:48:A:GLU:HG3	26	0.1
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	8	0.1
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	10	0.1
(3,2010)	1:30:A:GLU:HB3	1:31:A:CYS:H	13	0.1
(3,2007)	1:28:A:THR:HG21	1:65:A:TYR:HB2	26	0.1
(3,2007)	1:28:A:THR:HG22	1:65:A:TYR:HB2	26	0.1
(3,2007)	1:28:A:THR:HG23	1:65:A:TYR:HB2	26	0.1
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	17	0.1
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	17	0.1
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	17	0.1
(3,1993)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	22	0.1
(3,1993)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	22	0.1
(3,1993)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	22	0.1
(3,1981)	1:16:A:ILE:HG21	1:30:A:GLU:H	11	0.1
(3,1981)	1:16:A:ILE:HG22	1:30:A:GLU:H	11	0.1
(3,1981)	1:16:A:ILE:HG23	1:30:A:GLU:H	11	0.1
(3,1965)	1:98:A:LYS:HG2	1:20:A:VAL:HA	21	0.1
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	3	0.1
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	3	0.1
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	3	0.1
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	6	0.1
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	6	0.1
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	6	0.1
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	16	0.1
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	16	0.1
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	31	0.1
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	31	0.1
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	31	0.1
(3,1922)	1:50:A:THR:HG21	1:51:A:GLU:H	40	0.1
(3,1922)	1:50:A:THR:HG22	1:51:A:GLU:H	40	0.1
(3,1922)	1:50:A:THR:HG23	1:51:A:GLU:H	40	0.1
(3,1912)	1:10:A:ILE:HD11	1:85:A:LEU:HD11	14	0.1
(3,1912)	1:10:A:ILE:HD11	1:85:A:LEU:HD12	14	0.1
(3,1912)	1:10:A:ILE:HD11	1:85:A:LEU:HD13	14	0.1
(3,1912)	1:10:A:ILE:HD12	1:85:A:LEU:HD11	14	0.1
(3,1912)	1:10:A:ILE:HD12	1:85:A:LEU:HD12	14	0.1
(3,1912)	1:10:A:ILE:HD12	1:85:A:LEU:HD13	14	0.1
(3,1912)	1:10:A:ILE:HD13	1:85:A:LEU:HD11	14	0.1
(3,1912)	1:10:A:ILE:HD13	1:85:A:LEU:HD12	14	0.1
(3,1912)	1:10:A:ILE:HD13	1:85:A:LEU:HD13	14	0.1
(3,1906)	1:66:A:MET:HE1	1:79:A:TYR:HA	19	0.1
(3,1906)	1:66:A:MET:HE2	1:79:A:TYR:HA	19	0.1
(3,1906)	1:66:A:MET:HE3	1:79:A:TYR:HA	19	0.1
(3,1906)	1:66:A:MET:HE1	1:79:A:TYR:HA	28	0.1
(3,1906)	1:66:A:MET:HE2	1:79:A:TYR:HA	28	0.1
(3,1906)	1:66:A:MET:HE3	1:79:A:TYR:HA	28	0.1
(3,1899)	1:47:A:THR:HG21	1:44:A:LYS:HB3	3	0.1
(3,1899)	1:47:A:THR:HG22	1:44:A:LYS:HB3	3	0.1
(3,1899)	1:47:A:THR:HG23	1:44:A:LYS:HB3	3	0.1
(3,1899)	1:47:A:THR:HG21	1:44:A:LYS:HB3	9	0.1
(3,1899)	1:47:A:THR:HG22	1:44:A:LYS:HB3	9	0.1
(3,1899)	1:47:A:THR:HG23	1:44:A:LYS:HB3	9	0.1
(3,1899)	1:47:A:THR:HG21	1:44:A:LYS:HB3	17	0.1
(3,1899)	1:47:A:THR:HG22	1:44:A:LYS:HB3	17	0.1
(3,1899)	1:47:A:THR:HG23	1:44:A:LYS:HB3	17	0.1
(3,1899)	1:47:A:THR:HG21	1:44:A:LYS:HB3	32	0.1
(3,1899)	1:47:A:THR:HG22	1:44:A:LYS:HB3	32	0.1
(3,1899)	1:47:A:THR:HG23	1:44:A:LYS:HB3	32	0.1
(3,1899)	1:47:A:THR:HG21	1:44:A:LYS:HB3	35	0.1
(3,1899)	1:47:A:THR:HG22	1:44:A:LYS:HB3	35	0.1
(3,1899)	1:47:A:THR:HG23	1:44:A:LYS:HB3	35	0.1
(3,1866)	1:7:A:ALA:HB1	1:8:A:GLU:H	31	0.1
(3,1866)	1:7:A:ALA:HB2	1:8:A:GLU:H	31	0.1
(3,1866)	1:7:A:ALA:HB3	1:8:A:GLU:H	31	0.1
(3,1864)	1:7:A:ALA:HB1	1:88:A:ARG:HA	23	0.1
(3,1864)	1:7:A:ALA:HB2	1:88:A:ARG:HA	23	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1864)	1:7:A:ALA:HB3	1:88:A:ARG:HA	23	0.1
(3,1856)	1:27:A:ALA:HB1	1:28:A:THR:H	5	0.1
(3,1856)	1:27:A:ALA:HB2	1:28:A:THR:H	5	0.1
(3,1856)	1:27:A:ALA:HB3	1:28:A:THR:H	5	0.1
(3,1850)	1:27:A:ALA:HB1	1:19:A:ILE:HG21	14	0.1
(3,1850)	1:27:A:ALA:HB1	1:19:A:ILE:HG22	14	0.1
(3,1850)	1:27:A:ALA:HB1	1:19:A:ILE:HG23	14	0.1
(3,1850)	1:27:A:ALA:HB2	1:19:A:ILE:HG21	14	0.1
(3,1850)	1:27:A:ALA:HB2	1:19:A:ILE:HG22	14	0.1
(3,1850)	1:27:A:ALA:HB2	1:19:A:ILE:HG23	14	0.1
(3,1850)	1:27:A:ALA:HB3	1:19:A:ILE:HG21	14	0.1
(3,1850)	1:27:A:ALA:HB3	1:19:A:ILE:HG22	14	0.1
(3,1850)	1:27:A:ALA:HB3	1:19:A:ILE:HG23	14	0.1
(3,1728)	1:38:A:ALA:HB1	1:83:A:ALA:HA	4	0.1
(3,1728)	1:38:A:ALA:HB2	1:83:A:ALA:HA	4	0.1
(3,1728)	1:38:A:ALA:HB3	1:83:A:ALA:HA	4	0.1
(3,1700)	1:101:A:LEU:HD21	1:101:A:LEU:HB3	15	0.1
(3,1700)	1:101:A:LEU:HD22	1:101:A:LEU:HB3	15	0.1
(3,1700)	1:101:A:LEU:HD23	1:101:A:LEU:HB3	15	0.1
(3,1700)	1:101:A:LEU:HD21	1:101:A:LEU:HB3	26	0.1
(3,1700)	1:101:A:LEU:HD22	1:101:A:LEU:HB3	26	0.1
(3,1700)	1:101:A:LEU:HD23	1:101:A:LEU:HB3	26	0.1
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	4	0.1
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	4	0.1
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	4	0.1
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	4	0.1
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	4	0.1
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	4	0.1
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	4	0.1
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	4	0.1
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	4	0.1
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	16	0.1
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	16	0.1
(3,1689)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	16	0.1
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	16	0.1
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	16	0.1
(3,1689)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	16	0.1
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	16	0.1
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	16	0.1
(3,1689)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	16	0.1
(3,1683)	1:85:A:LEU:HD11	1:35:A:PHE:HD1	14	0.1
(3,1683)	1:85:A:LEU:HD11	1:35:A:PHE:HD2	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1683)	1:85:A:LEU:HD12	1:35:A:PHE:HD1	14	0.1
(3,1683)	1:85:A:LEU:HD12	1:35:A:PHE:HD2	14	0.1
(3,1683)	1:85:A:LEU:HD13	1:35:A:PHE:HD1	14	0.1
(3,1683)	1:85:A:LEU:HD13	1:35:A:PHE:HD2	14	0.1
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	34	0.1
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	34	0.1
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	34	0.1
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	38	0.1
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	38	0.1
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	38	0.1
(3,1682)	1:85:A:LEU:HD11	1:85:A:LEU:HA	40	0.1
(3,1682)	1:85:A:LEU:HD12	1:85:A:LEU:HA	40	0.1
(3,1682)	1:85:A:LEU:HD13	1:85:A:LEU:HA	40	0.1
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	2	0.1
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	2	0.1
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	2	0.1
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	2	0.1
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	2	0.1
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	2	0.1
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	2	0.1
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	2	0.1
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	2	0.1
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	38	0.1
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	38	0.1
(3,1654)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	38	0.1
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	38	0.1
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	38	0.1
(3,1654)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	38	0.1
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	38	0.1
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	38	0.1
(3,1654)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	38	0.1
(3,1626)	1:82:A:ILE:HD11	1:83:A:ALA:H	11	0.1
(3,1626)	1:82:A:ILE:HD12	1:83:A:ALA:H	11	0.1
(3,1626)	1:82:A:ILE:HD13	1:83:A:ALA:H	11	0.1
(3,1626)	1:82:A:ILE:HD11	1:83:A:ALA:H	28	0.1
(3,1626)	1:82:A:ILE:HD12	1:83:A:ALA:H	28	0.1
(3,1626)	1:82:A:ILE:HD13	1:83:A:ALA:H	28	0.1
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	5	0.1
(3,1605)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	5	0.1
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	5	0.1
(3,1605)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	5	0.1
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1605)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	5	0.1
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	10	0.1
(3,1604)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	10	0.1
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	10	0.1
(3,1604)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	10	0.1
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	10	0.1
(3,1604)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	10	0.1
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	19	0.1
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	19	0.1
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	19	0.1
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	30	0.1
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	30	0.1
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	30	0.1
(3,1554)	1:10:A:ILE:HG21	1:9:A:PRO:HA	35	0.1
(3,1554)	1:10:A:ILE:HG22	1:9:A:PRO:HA	35	0.1
(3,1554)	1:10:A:ILE:HG23	1:9:A:PRO:HA	35	0.1
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	27	0.1
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	27	0.1
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	27	0.1
(3,1517)	1:66:A:MET:HE1	1:29:A:PHE:H	31	0.1
(3,1517)	1:66:A:MET:HE2	1:29:A:PHE:H	31	0.1
(3,1517)	1:66:A:MET:HE3	1:29:A:PHE:H	31	0.1
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	3	0.1
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	3	0.1
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	3	0.1
(3,1514)	1:66:A:MET:HE1	1:42:A:TRP:HE1	37	0.1
(3,1514)	1:66:A:MET:HE2	1:42:A:TRP:HE1	37	0.1
(3,1514)	1:66:A:MET:HE3	1:42:A:TRP:HE1	37	0.1
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	2	0.1
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	2	0.1
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	2	0.1
(3,1512)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	24	0.1
(3,1512)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	24	0.1
(3,1512)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	24	0.1
(3,1511)	1:66:A:MET:HE1	1:42:A:TRP:HB2	13	0.1
(3,1511)	1:66:A:MET:HE2	1:42:A:TRP:HB2	13	0.1
(3,1511)	1:66:A:MET:HE3	1:42:A:TRP:HB2	13	0.1
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD11	14	0.1
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD12	14	0.1
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD13	14	0.1
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD11	14	0.1
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD12	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD13	14	0.1
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD11	14	0.1
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD12	14	0.1
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD13	14	0.1
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD11	26	0.1
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD12	26	0.1
(3,1506)	1:66:A:MET:HE1	1:49:A:LEU:HD13	26	0.1
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD11	26	0.1
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD12	26	0.1
(3,1506)	1:66:A:MET:HE2	1:49:A:LEU:HD13	26	0.1
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD11	26	0.1
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD12	26	0.1
(3,1506)	1:66:A:MET:HE3	1:49:A:LEU:HD13	26	0.1
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	5	0.1
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	5	0.1
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	5	0.1
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	25	0.1
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	25	0.1
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	25	0.1
(3,1498)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	29	0.1
(3,1498)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	29	0.1
(3,1498)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	29	0.1
(3,1488)	1:81:A:VAL:HB	1:42:A:TRP:HE1	4	0.1
(3,1488)	1:81:A:VAL:HB	1:42:A:TRP:HE1	7	0.1
(3,1488)	1:81:A:VAL:HB	1:42:A:TRP:HE1	31	0.1
(3,1477)	1:78:A:VAL:HG11	1:94:A:THR:HB	28	0.1
(3,1477)	1:78:A:VAL:HG12	1:94:A:THR:HB	28	0.1
(3,1477)	1:78:A:VAL:HG13	1:94:A:THR:HB	28	0.1
(3,1412)	1:20:A:VAL:HG11	1:100:A:GLU:HA	33	0.1
(3,1412)	1:20:A:VAL:HG12	1:100:A:GLU:HA	33	0.1
(3,1412)	1:20:A:VAL:HG13	1:100:A:GLU:HA	33	0.1
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	7	0.1
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	7	0.1
(3,1388)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	7	0.1
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	7	0.1
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	7	0.1
(3,1388)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	7	0.1
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	7	0.1
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	7	0.1
(3,1388)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	7	0.1
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	7	0.1
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1383)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	7	0.1
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	7	0.1
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	7	0.1
(3,1383)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	7	0.1
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	7	0.1
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	7	0.1
(3,1383)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	7	0.1
(3,1372)	1:16:A:ILE:HB	1:29:A:PHE:HB3	28	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	1	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	1	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	1	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	3	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	3	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	3	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	4	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	4	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	4	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	6	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	6	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	6	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	11	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	11	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	11	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	12	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	12	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	12	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	13	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	13	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	13	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	14	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	14	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	14	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	20	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	20	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	20	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	23	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	23	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	23	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	25	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	25	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	25	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	30	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	30	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	30	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	31	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	31	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	31	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	34	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	34	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	34	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	35	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	35	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	35	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	36	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	36	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	36	0.1
(3,1361)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	40	0.1
(3,1361)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	40	0.1
(3,1361)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	40	0.1
(3,1352)	1:16:A:ILE:HD11	1:95:A:ALA:H	5	0.1
(3,1352)	1:16:A:ILE:HD12	1:95:A:ALA:H	5	0.1
(3,1352)	1:16:A:ILE:HD13	1:95:A:ALA:H	5	0.1
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	3	0.1
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	10	0.1
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	27	0.1
(3,1299)	1:40:A:VAL:HB	1:41:A:THR:H	39	0.1
(3,1270)	1:94:A:THR:HG21	1:95:A:ALA:H	28	0.1
(3,1270)	1:94:A:THR:HG22	1:95:A:ALA:H	28	0.1
(3,1270)	1:94:A:THR:HG23	1:95:A:ALA:H	28	0.1
(3,1269)	1:94:A:THR:HG21	1:95:A:ALA:H	28	0.1
(3,1269)	1:94:A:THR:HG22	1:95:A:ALA:H	28	0.1
(3,1269)	1:94:A:THR:HG23	1:95:A:ALA:H	28	0.1
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	4	0.1
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	4	0.1
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	4	0.1
(3,1268)	1:94:A:THR:HG21	1:93:A:SER:HA	9	0.1
(3,1268)	1:94:A:THR:HG22	1:93:A:SER:HA	9	0.1
(3,1268)	1:94:A:THR:HG23	1:93:A:SER:HA	9	0.1
(3,1265)	1:67:A:THR:HG21	1:56:A:ASN:H	13	0.1
(3,1265)	1:67:A:THR:HG22	1:56:A:ASN:H	13	0.1
(3,1265)	1:67:A:THR:HG23	1:56:A:ASN:H	13	0.1
(3,1265)	1:67:A:THR:HG21	1:56:A:ASN:H	31	0.1
(3,1265)	1:67:A:THR:HG22	1:56:A:ASN:H	31	0.1
(3,1265)	1:67:A:THR:HG23	1:56:A:ASN:H	31	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1265)	1:67:A:THR:HG21	1:56:A:ASN:H	35	0.1
(3,1265)	1:67:A:THR:HG22	1:56:A:ASN:H	35	0.1
(3,1265)	1:67:A:THR:HG23	1:56:A:ASN:H	35	0.1
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	8	0.1
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	8	0.1
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	8	0.1
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	11	0.1
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	11	0.1
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	11	0.1
(3,1243)	1:13:A:THR:HG21	1:34:A:SER:H	35	0.1
(3,1243)	1:13:A:THR:HG22	1:34:A:SER:H	35	0.1
(3,1243)	1:13:A:THR:HG23	1:34:A:SER:H	35	0.1
(3,1240)	1:13:A:THR:HG21	1:34:A:SER:HB3	33	0.1
(3,1240)	1:13:A:THR:HG22	1:34:A:SER:HB3	33	0.1
(3,1240)	1:13:A:THR:HG23	1:34:A:SER:HB3	33	0.1
(3,1230)	1:101:A:LEU:H	1:22:A:SER:HA	12	0.1
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	12	0.1
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	12	0.1
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	12	0.1
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	14	0.1
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	14	0.1
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	14	0.1
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	18	0.1
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	18	0.1
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	18	0.1
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD21	34	0.1
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD22	34	0.1
(3,1226)	1:97:A:LEU:H	1:97:A:LEU:HD23	34	0.1
(3,1221)	1:69:A:HIS:H	1:56:A:ASN:H	10	0.1
(3,1217)	1:66:A:MET:H	1:28:A:THR:HA	15	0.1
(3,1217)	1:66:A:MET:H	1:28:A:THR:HA	28	0.1
(3,1212)	1:56:A:ASN:H	1:66:A:MET:HG2	8	0.1
(3,1212)	1:56:A:ASN:H	1:66:A:MET:HG2	14	0.1
(3,1212)	1:56:A:ASN:H	1:66:A:MET:HG2	20	0.1
(3,1208)	1:42:A:TRP:H	1:57:A:PHE:HE1	24	0.1
(3,1208)	1:42:A:TRP:H	1:57:A:PHE:HE2	24	0.1
(3,1206)	1:41:A:THR:H	1:83:A:ALA:HA	12	0.1
(3,1178)	1:91:A:ALA:H	1:84:A:ARG:HA	14	0.1
(3,1152)	1:54:A:LYS:H	1:53:A:GLN:HG3	14	0.1
(3,1152)	1:54:A:LYS:H	1:53:A:GLN:HG3	26	0.1
(3,1152)	1:54:A:LYS:H	1:53:A:GLN:HG3	29	0.1
(3,1140)	1:100:A:GLU:H	1:101:A:LEU:H	22	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1131)	1:40:A:VAL:H	1:83:A:ALA:HB1	16	0.1
(3,1131)	1:40:A:VAL:H	1:83:A:ALA:HB2	16	0.1
(3,1131)	1:40:A:VAL:H	1:83:A:ALA:HB3	16	0.1
(3,1055)	1:33:A:VAL:H	1:62:A:ARG:HB2	17	0.1
(3,1051)	1:26:A:SER:H	1:25:A:GLN:HG2	7	0.1
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	14	0.1
(3,1019)	1:48:A:GLU:H	1:48:A:GLU:HG3	30	0.1
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	6	0.1
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	6	0.1
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	6	0.1
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	18	0.1
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	18	0.1
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	18	0.1
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG21	20	0.1
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG22	20	0.1
(3,998)	1:79:A:TYR:H	1:94:A:THR:HG23	20	0.1
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	7	0.1
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	13	0.1
(3,988)	1:12:A:PHE:H	1:11:A:GLN:HB2	19	0.1
(3,949)	1:34:A:SER:H	1:33:A:VAL:HG21	20	0.1
(3,949)	1:34:A:SER:H	1:33:A:VAL:HG22	20	0.1
(3,949)	1:34:A:SER:H	1:33:A:VAL:HG23	20	0.1
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	7	0.1
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	9	0.1
(3,942)	1:34:A:SER:H	1:12:A:PHE:HA	14	0.1
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	22	0.1
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	22	0.1
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	22	0.1
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	33	0.1
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	33	0.1
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	33	0.1
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	37	0.1
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	37	0.1
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	37	0.1
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG11	38	0.1
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG12	38	0.1
(3,934)	1:98:A:LYS:H	1:20:A:VAL:HG13	38	0.1
(3,916)	1:37:A:ASP:H	1:37:A:ASP:HA	2	0.1
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	2	0.1
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	16	0.1
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	33	0.1
(3,900)	1:44:A:LYS:H	1:43:A:TYR:HB2	40	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	1	0.1
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	3	0.1
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	4	0.1
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	9	0.1
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	23	0.1
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	24	0.1
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	30	0.1
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	39	0.1
(3,890)	1:80:A:SER:H	1:79:A:TYR:HB2	40	0.1
(3,889)	1:80:A:SER:H	1:43:A:TYR:HB3	33	0.1
(3,875)	1:8:A:GLU:H	1:7:A:ALA:HB1	31	0.1
(3,875)	1:8:A:GLU:H	1:7:A:ALA:HB2	31	0.1
(3,875)	1:8:A:GLU:H	1:7:A:ALA:HB3	31	0.1
(3,864)	1:86:A:GLU:H	1:86:A:GLU:HG3	9	0.1
(3,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	21	0.1
(3,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	36	0.1
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	39	0.1
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	39	0.1
(3,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	39	0.1
(3,813)	1:25:A:GLN:H	1:25:A:GLN:HG3	19	0.1
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	37	0.1
(3,810)	1:25:A:GLN:H	1:71:A:VAL:HB	38	0.1
(3,742)	1:76:A:GLU:H	1:77:A:GLY:H	6	0.1
(3,742)	1:76:A:GLU:H	1:77:A:GLY:H	9	0.1
(3,742)	1:76:A:GLU:H	1:77:A:GLY:H	13	0.1
(3,742)	1:76:A:GLU:H	1:77:A:GLY:H	19	0.1
(3,742)	1:76:A:GLU:H	1:77:A:GLY:H	37	0.1
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	2	0.1
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	7	0.1
(3,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	11	0.1
(3,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	1	0.1
(3,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	6	0.1
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	8	0.1
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	9	0.1
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	20	0.1
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	30	0.1
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	33	0.1
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	34	0.1
(3,666)	1:72:A:THR:H	1:72:A:THR:HB	35	0.1
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	3	0.1
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	13	0.1
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	29	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	30	0.1
(3,661)	1:7:A:ALA:H	1:6:A:THR:HA	32	0.1
(3,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	7	0.1
(3,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	16	0.1
(3,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	39	0.1
(3,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	40	0.1
(3,567)	1:47:A:THR:H	1:47:A:THR:HG21	6	0.1
(3,567)	1:47:A:THR:H	1:47:A:THR:HG22	6	0.1
(3,567)	1:47:A:THR:H	1:47:A:THR:HG23	6	0.1
(3,564)	1:47:A:THR:H	1:43:A:TYR:HB3	10	0.1
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	3	0.1
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	3	0.1
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	3	0.1
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	6	0.1
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	6	0.1
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	6	0.1
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	12	0.1
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	12	0.1
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	12	0.1
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	19	0.1
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	19	0.1
(3,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	19	0.1
(3,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	37	0.1
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	6	0.1
(3,512)	1:67:A:THR:H	1:66:A:MET:HB2	39	0.1
(3,419)	1:69:A:HIS:H	1:54:A:LYS:HA	16	0.1
(3,419)	1:69:A:HIS:H	1:54:A:LYS:HA	27	0.1
(3,419)	1:69:A:HIS:H	1:54:A:LYS:HA	29	0.1
(3,419)	1:69:A:HIS:H	1:54:A:LYS:HA	39	0.1
(3,410)	1:96:A:GLU:H	1:18:A:ASN:HD21	1	0.1
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	4	0.1
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	12	0.1
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	31	0.1
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	32	0.1
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	34	0.1
(3,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	38	0.1
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	6	0.1
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	6	0.1
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	15	0.1
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	15	0.1
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	26	0.1
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	26	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	28	0.1
(3,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	28	0.1
(3,314)	1:63:A:CYS:H	1:64:A:HIS:HD2	16	0.1
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	8	0.1
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	10	0.1
(3,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	13	0.1
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	3	0.1
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	10	0.1
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	13	0.1
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	15	0.1
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	17	0.1
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	24	0.1
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	25	0.1
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	26	0.1
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	30	0.1
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	34	0.1
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	36	0.1
(3,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	39	0.1
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG21	28	0.1
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG22	28	0.1
(3,252)	1:95:A:ALA:H	1:94:A:THR:HG23	28	0.1
(3,239)	1:13:A:THR:H	1:14:A:LYS:HA	1	0.1
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	11	0.1
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	11	0.1
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	13	0.1
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	13	0.1
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	26	0.1
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	26	0.1
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	38	0.1
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	38	0.1
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD1	39	0.1
(3,230)	1:13:A:THR:H	1:12:A:PHE:HD2	39	0.1
(3,212)	1:91:A:ALA:H	1:90:A:GLU:HB2	6	0.1
(3,203)	1:90:A:GLU:H	1:91:A:ALA:H	3	0.1
(3,203)	1:90:A:GLU:H	1:91:A:ALA:H	6	0.1
(3,203)	1:90:A:GLU:H	1:91:A:ALA:H	7	0.1
(3,203)	1:90:A:GLU:H	1:91:A:ALA:H	10	0.1
(3,203)	1:90:A:GLU:H	1:91:A:ALA:H	16	0.1
(3,203)	1:90:A:GLU:H	1:91:A:ALA:H	20	0.1
(3,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	14	0.1
(3,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	2	0.1
(3,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	3	0.1
(3,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	4	0.1
(3,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	5	0.1
(3,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	12	0.1
(3,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	19	0.1
(3,141)	1:101:A:LEU:H	1:100:A:GLU:H	22	0.1
(3,113)	1:63:A:CYS:H	1:60:A:ASP:H	10	0.1
(3,57)	1:42:A:TRP:H	1:42:A:TRP:HB3	9	0.1
(3,57)	1:42:A:TRP:H	1:42:A:TRP:HB3	11	0.1
(3,57)	1:42:A:TRP:H	1:42:A:TRP:HB3	13	0.1
(3,57)	1:42:A:TRP:H	1:42:A:TRP:HB3	15	0.1
(3,57)	1:42:A:TRP:H	1:42:A:TRP:HB3	26	0.1
(3,57)	1:42:A:TRP:H	1:42:A:TRP:HB3	28	0.1
(3,57)	1:42:A:TRP:H	1:42:A:TRP:HB3	32	0.1
(3,57)	1:42:A:TRP:H	1:42:A:TRP:HB3	35	0.1
(3,24)	1:89:A:GLY:H	1:9:A:PRO:HB3	6	0.1
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	1	0.1
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	1	0.1
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	3	0.1
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	3	0.1
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD1	22	0.1
(1,3209)	1:57:A:PHE:HZ	1:55:A:TYR:HD2	22	0.1
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	1	0.1
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	1	0.1
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	1	0.1
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	32	0.1
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	32	0.1
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	32	0.1
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	34	0.1
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	34	0.1
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	34	0.1
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	35	0.1
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	35	0.1
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	35	0.1
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG21	36	0.1
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG22	36	0.1
(1,3194)	1:29:A:PHE:HZ	1:19:A:ILE:HG23	36	0.1
(1,3185)	1:43:A:TYR:HD1	1:44:A:LYS:H	2	0.1
(1,3185)	1:43:A:TYR:HD2	1:44:A:LYS:H	2	0.1
(1,3185)	1:43:A:TYR:HD1	1:44:A:LYS:H	6	0.1
(1,3185)	1:43:A:TYR:HD2	1:44:A:LYS:H	6	0.1
(1,3183)	1:43:A:TYR:HE1	1:82:A:ILE:HG13	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3183)	1:43:A:TYR:HE2	1:82:A:ILE:HG13	14	0.1
(1,3183)	1:43:A:TYR:HE1	1:82:A:ILE:HG13	17	0.1
(1,3183)	1:43:A:TYR:HE2	1:82:A:ILE:HG13	17	0.1
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	3	0.1
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	3	0.1
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	3	0.1
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE1	37	0.1
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE2	37	0.1
(1,3176)	1:42:A:TRP:HE1	1:66:A:MET:HE3	37	0.1
(1,3158)	1:42:A:TRP:HD1	1:41:A:THR:HA	10	0.1
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	5	0.1
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	5	0.1
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	13	0.1
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	13	0.1
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	21	0.1
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	21	0.1
(1,3137)	1:65:A:TYR:HD1	1:30:A:GLU:HB3	31	0.1
(1,3137)	1:65:A:TYR:HD2	1:30:A:GLU:HB3	31	0.1
(1,3134)	1:65:A:TYR:HE1	1:30:A:GLU:HB2	40	0.1
(1,3134)	1:65:A:TYR:HE2	1:30:A:GLU:HB2	40	0.1
(1,3133)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	6	0.1
(1,3133)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	6	0.1
(1,3133)	1:65:A:TYR:HE1	1:60:A:ASP:HB3	12	0.1
(1,3133)	1:65:A:TYR:HE2	1:60:A:ASP:HB3	12	0.1
(1,3131)	1:65:A:TYR:HE1	1:63:A:CYS:HB3	18	0.1
(1,3131)	1:65:A:TYR:HE2	1:63:A:CYS:HB3	18	0.1
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG21	5	0.1
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG22	5	0.1
(1,3118)	1:55:A:TYR:HD1	1:68:A:ILE:HG23	5	0.1
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG21	5	0.1
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG22	5	0.1
(1,3118)	1:55:A:TYR:HD2	1:68:A:ILE:HG23	5	0.1
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG21	12	0.1
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG22	12	0.1
(1,3116)	1:55:A:TYR:HE1	1:68:A:ILE:HG23	12	0.1
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG21	12	0.1
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG22	12	0.1
(1,3116)	1:55:A:TYR:HE2	1:68:A:ILE:HG23	12	0.1
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD1	4	0.1
(1,3100)	1:79:A:TYR:HE1	1:55:A:TYR:HD2	4	0.1
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD1	4	0.1
(1,3100)	1:79:A:TYR:HE2	1:55:A:TYR:HD2	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE1	37	0.1
(1,3092)	1:66:A:MET:HE1	1:55:A:TYR:HE2	37	0.1
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE1	37	0.1
(1,3092)	1:66:A:MET:HE2	1:55:A:TYR:HE2	37	0.1
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE1	37	0.1
(1,3092)	1:66:A:MET:HE3	1:55:A:TYR:HE2	37	0.1
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG21	11	0.1
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG22	11	0.1
(1,3084)	1:98:A:LYS:HD3	1:20:A:VAL:HG23	11	0.1
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	4	0.1
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	4	0.1
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	20	0.1
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	20	0.1
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE1	27	0.1
(1,3082)	1:97:A:LEU:HB3	1:29:A:PHE:HE2	27	0.1
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG21	12	0.1
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG22	12	0.1
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG23	12	0.1
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG21	21	0.1
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG22	21	0.1
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG23	21	0.1
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG21	40	0.1
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG22	40	0.1
(1,3040)	1:55:A:TYR:HA	1:68:A:ILE:HG23	40	0.1
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE1	32	0.1
(1,3033)	1:44:A:LYS:HE2	1:79:A:TYR:HE2	32	0.1
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	7	0.1
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	7	0.1
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	20	0.1
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	20	0.1
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD1	30	0.1
(1,3013)	1:30:A:GLU:HG2	1:65:A:TYR:HD2	30	0.1
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	3	0.1
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	3	0.1
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	3	0.1
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG21	14	0.1
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG22	14	0.1
(1,3012)	1:30:A:GLU:HG3	1:28:A:THR:HG23	14	0.1
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	8	0.1
(1,3011)	1:30:A:GLU:HB2	1:14:A:LYS:HE2	12	0.1
(1,3009)	1:102:A:ARG:HD3	1:102:A:ARG:HB2	19	0.1
(1,2996)	1:15:A:ARG:HG2	1:93:A:SER:HB3	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	2	0.1
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	5	0.1
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	27	0.1
(1,2974)	1:65:A:TYR:HA	1:42:A:TRP:HZ2	36	0.1
(1,2949)	1:8:A:GLU:HG2	1:8:A:GLU:HA	31	0.1
(1,2948)	1:8:A:GLU:HG2	1:8:A:GLU:HB2	16	0.1
(1,2942)	1:90:A:GLU:HA	1:84:A:ARG:HA	14	0.1
(1,2940)	1:44:A:LYS:HB2	1:47:A:THR:HG21	10	0.1
(1,2940)	1:44:A:LYS:HB2	1:47:A:THR:HG22	10	0.1
(1,2940)	1:44:A:LYS:HB2	1:47:A:THR:HG23	10	0.1
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	5	0.1
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	5	0.1
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	13	0.1
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	13	0.1
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	21	0.1
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	21	0.1
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD1	31	0.1
(1,2937)	1:30:A:GLU:HB3	1:65:A:TYR:HD2	31	0.1
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	7	0.1
(1,2931)	1:26:A:SER:HA	1:70:A:ASN:H	32	0.1
(1,2930)	1:17:A:GLN:HG2	1:18:A:ASN:H	7	0.1
(1,2930)	1:17:A:GLN:HG2	1:18:A:ASN:H	22	0.1
(1,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	16	0.1
(1,2910)	1:98:A:LYS:HE3	1:98:A:LYS:HG3	37	0.1
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	10	0.1
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	16	0.1
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	21	0.1
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	27	0.1
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	30	0.1
(1,2841)	1:84:A:ARG:HG2	1:84:A:ARG:HA	39	0.1
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	1	0.1
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	10	0.1
(1,2802)	1:15:A:ARG:HD3	1:15:A:ARG:HB2	13	0.1
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	18	0.1
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	22	0.1
(1,2754)	1:90:A:GLU:HB3	1:91:A:ALA:H	23	0.1
(1,2745)	1:86:A:GLU:HG2	1:86:A:GLU:H	35	0.1
(1,2745)	1:86:A:GLU:HG3	1:86:A:GLU:H	35	0.1
(1,2716)	1:48:A:GLU:HA	1:41:A:THR:HG21	6	0.1
(1,2716)	1:48:A:GLU:HA	1:41:A:THR:HG22	6	0.1
(1,2716)	1:48:A:GLU:HA	1:41:A:THR:HG23	6	0.1
(1,2716)	1:48:A:GLU:HA	1:41:A:THR:HG21	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2716)	1:48:A:GLU:HA	1:41:A:THR:HG22	9	0.1
(1,2716)	1:48:A:GLU:HA	1:41:A:THR:HG23	9	0.1
(1,2716)	1:48:A:GLU:HA	1:41:A:THR:HG21	20	0.1
(1,2716)	1:48:A:GLU:HA	1:41:A:THR:HG22	20	0.1
(1,2716)	1:48:A:GLU:HA	1:41:A:THR:HG23	20	0.1
(1,2715)	1:48:A:GLU:HA	1:49:A:LEU:HG	8	0.1
(1,2715)	1:48:A:GLU:HA	1:49:A:LEU:HG	27	0.1
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	18	0.1
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	29	0.1
(1,2699)	1:23:A:GLU:HA	1:24:A:HIS:HA	37	0.1
(1,2686)	1:8:A:GLU:HB3	1:8:A:GLU:HG2	31	0.1
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	2	0.1
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	2	0.1
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	2	0.1
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	12	0.1
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	12	0.1
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	12	0.1
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	29	0.1
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	29	0.1
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	29	0.1
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG21	34	0.1
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG22	34	0.1
(1,2663)	1:25:A:GLN:HB2	1:21:A:VAL:HG23	34	0.1
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	4	0.1
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	12	0.1
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	31	0.1
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	32	0.1
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	34	0.1
(1,2649)	1:17:A:GLN:HB2	1:18:A:ASN:H	38	0.1
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	23	0.1
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	33	0.1
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	34	0.1
(1,2646)	1:9:A:PRO:HB2	1:9:A:PRO:HD3	40	0.1
(1,2609)	1:60:A:ASP:HB3	1:60:A:ASP:H	3	0.1
(1,2609)	1:60:A:ASP:HB3	1:60:A:ASP:H	5	0.1
(1,2609)	1:60:A:ASP:HB3	1:60:A:ASP:H	12	0.1
(1,2608)	1:60:A:ASP:HB3	1:60:A:ASP:H	3	0.1
(1,2608)	1:60:A:ASP:HB3	1:60:A:ASP:H	5	0.1
(1,2608)	1:60:A:ASP:HB3	1:60:A:ASP:H	12	0.1
(1,2550)	1:92:A:ARG:HA	1:83:A:ALA:H	15	0.1
(1,2544)	1:70:A:ASN:HA	1:24:A:HIS:HA	33	0.1
(1,2537)	1:73:A:PRO:HG3	1:73:A:PRO:HA	28	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2537)	1:73:A:PRO:HG3	1:73:A:PRO:HA	32	0.1
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	20	0.1
(1,2431)	1:82:A:ILE:HB	1:41:A:THR:H	39	0.1
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	8	0.1
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	14	0.1
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	28	0.1
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	29	0.1
(1,2416)	1:10:A:ILE:HB	1:9:A:PRO:HA	31	0.1
(1,2403)	1:66:A:MET:HE1	1:42:A:TRP:H	21	0.1
(1,2403)	1:66:A:MET:HE2	1:42:A:TRP:H	21	0.1
(1,2403)	1:66:A:MET:HE3	1:42:A:TRP:H	21	0.1
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	28	0.1
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	28	0.1
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	28	0.1
(1,2402)	1:66:A:MET:HE1	1:29:A:PHE:HZ	29	0.1
(1,2402)	1:66:A:MET:HE2	1:29:A:PHE:HZ	29	0.1
(1,2402)	1:66:A:MET:HE3	1:29:A:PHE:HZ	29	0.1
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG21	24	0.1
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG22	24	0.1
(1,2331)	1:26:A:SER:HA	1:68:A:ILE:HG23	24	0.1
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	4	0.1
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	4	0.1
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	4	0.1
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG21	25	0.1
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG22	25	0.1
(1,2265)	1:96:A:GLU:HB3	1:78:A:VAL:HG23	25	0.1
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	23	0.1
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	23	0.1
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	23	0.1
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD11	29	0.1
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD12	29	0.1
(1,2165)	1:35:A:PHE:HB3	1:10:A:ILE:HD13	29	0.1
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	4	0.1
(1,2145)	1:94:A:THR:HA	1:81:A:VAL:H	17	0.1
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE1	13	0.1
(1,2077)	1:97:A:LEU:HD11	1:29:A:PHE:HE2	13	0.1
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE1	13	0.1
(1,2077)	1:97:A:LEU:HD12	1:29:A:PHE:HE2	13	0.1
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE1	13	0.1
(1,2077)	1:97:A:LEU:HD13	1:29:A:PHE:HE2	13	0.1
(1,2070)	1:97:A:LEU:HB2	1:19:A:ILE:HB	1	0.1
(1,2070)	1:97:A:LEU:HB2	1:19:A:ILE:HB	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD11	19	0.1
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD12	19	0.1
(1,2066)	1:85:A:LEU:HD11	1:10:A:ILE:HD13	19	0.1
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD11	19	0.1
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD12	19	0.1
(1,2066)	1:85:A:LEU:HD12	1:10:A:ILE:HD13	19	0.1
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD11	19	0.1
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD12	19	0.1
(1,2066)	1:85:A:LEU:HD13	1:10:A:ILE:HD13	19	0.1
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE1	4	0.1
(1,2041)	1:66:A:MET:HE1	1:29:A:PHE:HE2	4	0.1
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE1	4	0.1
(1,2041)	1:66:A:MET:HE2	1:29:A:PHE:HE2	4	0.1
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE1	4	0.1
(1,2041)	1:66:A:MET:HE3	1:29:A:PHE:HE2	4	0.1
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	19	0.1
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	19	0.1
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	19	0.1
(1,2021)	1:50:A:THR:HG21	1:48:A:GLU:HG3	26	0.1
(1,2021)	1:50:A:THR:HG22	1:48:A:GLU:HG3	26	0.1
(1,2021)	1:50:A:THR:HG23	1:48:A:GLU:HG3	26	0.1
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	8	0.1
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	10	0.1
(1,2007)	1:30:A:GLU:HB3	1:31:A:CYS:H	13	0.1
(1,2004)	1:28:A:THR:HG21	1:65:A:TYR:HB2	26	0.1
(1,2004)	1:28:A:THR:HG22	1:65:A:TYR:HB2	26	0.1
(1,2004)	1:28:A:THR:HG23	1:65:A:TYR:HB2	26	0.1
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	17	0.1
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	17	0.1
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	17	0.1
(1,1990)	1:20:A:VAL:HG11	1:100:A:GLU:HB3	22	0.1
(1,1990)	1:20:A:VAL:HG12	1:100:A:GLU:HB3	22	0.1
(1,1990)	1:20:A:VAL:HG13	1:100:A:GLU:HB3	22	0.1
(1,1978)	1:16:A:ILE:HG21	1:30:A:GLU:H	11	0.1
(1,1978)	1:16:A:ILE:HG22	1:30:A:GLU:H	11	0.1
(1,1978)	1:16:A:ILE:HG23	1:30:A:GLU:H	11	0.1
(1,1962)	1:98:A:LYS:HG2	1:20:A:VAL:HA	21	0.1
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	3	0.1
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	3	0.1
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	3	0.1
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	6	0.1
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	6	0.1
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	16	0.1
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	16	0.1
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	16	0.1
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	31	0.1
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	31	0.1
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	31	0.1
(1,1919)	1:50:A:THR:HG21	1:51:A:GLU:H	40	0.1
(1,1919)	1:50:A:THR:HG22	1:51:A:GLU:H	40	0.1
(1,1919)	1:50:A:THR:HG23	1:51:A:GLU:H	40	0.1
(1,1909)	1:10:A:ILE:HD11	1:85:A:LEU:HD11	14	0.1
(1,1909)	1:10:A:ILE:HD11	1:85:A:LEU:HD12	14	0.1
(1,1909)	1:10:A:ILE:HD11	1:85:A:LEU:HD13	14	0.1
(1,1909)	1:10:A:ILE:HD12	1:85:A:LEU:HD11	14	0.1
(1,1909)	1:10:A:ILE:HD12	1:85:A:LEU:HD12	14	0.1
(1,1909)	1:10:A:ILE:HD12	1:85:A:LEU:HD13	14	0.1
(1,1909)	1:10:A:ILE:HD13	1:85:A:LEU:HD11	14	0.1
(1,1909)	1:10:A:ILE:HD13	1:85:A:LEU:HD12	14	0.1
(1,1909)	1:10:A:ILE:HD13	1:85:A:LEU:HD13	14	0.1
(1,1903)	1:66:A:MET:HE1	1:79:A:TYR:HA	19	0.1
(1,1903)	1:66:A:MET:HE2	1:79:A:TYR:HA	19	0.1
(1,1903)	1:66:A:MET:HE3	1:79:A:TYR:HA	19	0.1
(1,1903)	1:66:A:MET:HE1	1:79:A:TYR:HA	28	0.1
(1,1903)	1:66:A:MET:HE2	1:79:A:TYR:HA	28	0.1
(1,1903)	1:66:A:MET:HE3	1:79:A:TYR:HA	28	0.1
(1,1896)	1:47:A:THR:HG21	1:44:A:LYS:HB3	3	0.1
(1,1896)	1:47:A:THR:HG22	1:44:A:LYS:HB3	3	0.1
(1,1896)	1:47:A:THR:HG23	1:44:A:LYS:HB3	3	0.1
(1,1896)	1:47:A:THR:HG21	1:44:A:LYS:HB3	9	0.1
(1,1896)	1:47:A:THR:HG22	1:44:A:LYS:HB3	9	0.1
(1,1896)	1:47:A:THR:HG23	1:44:A:LYS:HB3	9	0.1
(1,1896)	1:47:A:THR:HG21	1:44:A:LYS:HB3	17	0.1
(1,1896)	1:47:A:THR:HG22	1:44:A:LYS:HB3	17	0.1
(1,1896)	1:47:A:THR:HG23	1:44:A:LYS:HB3	17	0.1
(1,1896)	1:47:A:THR:HG21	1:44:A:LYS:HB3	32	0.1
(1,1896)	1:47:A:THR:HG22	1:44:A:LYS:HB3	32	0.1
(1,1896)	1:47:A:THR:HG23	1:44:A:LYS:HB3	32	0.1
(1,1896)	1:47:A:THR:HG21	1:44:A:LYS:HB3	35	0.1
(1,1896)	1:47:A:THR:HG22	1:44:A:LYS:HB3	35	0.1
(1,1896)	1:47:A:THR:HG23	1:44:A:LYS:HB3	35	0.1
(1,1863)	1:7:A:ALA:HB1	1:8:A:GLU:H	31	0.1
(1,1863)	1:7:A:ALA:HB2	1:8:A:GLU:H	31	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1863)	1:7:A:ALA:HB3	1:8:A:GLU:H	31	0.1
(1,1861)	1:7:A:ALA:HB1	1:88:A:ARG:HA	23	0.1
(1,1861)	1:7:A:ALA:HB2	1:88:A:ARG:HA	23	0.1
(1,1861)	1:7:A:ALA:HB3	1:88:A:ARG:HA	23	0.1
(1,1853)	1:27:A:ALA:HB1	1:28:A:THR:H	5	0.1
(1,1853)	1:27:A:ALA:HB2	1:28:A:THR:H	5	0.1
(1,1853)	1:27:A:ALA:HB3	1:28:A:THR:H	5	0.1
(1,1847)	1:27:A:ALA:HB1	1:19:A:ILE:HG21	14	0.1
(1,1847)	1:27:A:ALA:HB1	1:19:A:ILE:HG22	14	0.1
(1,1847)	1:27:A:ALA:HB1	1:19:A:ILE:HG23	14	0.1
(1,1847)	1:27:A:ALA:HB2	1:19:A:ILE:HG21	14	0.1
(1,1847)	1:27:A:ALA:HB2	1:19:A:ILE:HG22	14	0.1
(1,1847)	1:27:A:ALA:HB2	1:19:A:ILE:HG23	14	0.1
(1,1847)	1:27:A:ALA:HB3	1:19:A:ILE:HG21	14	0.1
(1,1847)	1:27:A:ALA:HB3	1:19:A:ILE:HG22	14	0.1
(1,1847)	1:27:A:ALA:HB3	1:19:A:ILE:HG23	14	0.1
(1,1725)	1:38:A:ALA:HB1	1:83:A:ALA:HA	4	0.1
(1,1725)	1:38:A:ALA:HB2	1:83:A:ALA:HA	4	0.1
(1,1725)	1:38:A:ALA:HB3	1:83:A:ALA:HA	4	0.1
(1,1696)	1:101:A:LEU:HD21	1:101:A:LEU:HB3	15	0.1
(1,1696)	1:101:A:LEU:HD22	1:101:A:LEU:HB3	15	0.1
(1,1696)	1:101:A:LEU:HD23	1:101:A:LEU:HB3	15	0.1
(1,1696)	1:101:A:LEU:HD21	1:101:A:LEU:HB3	26	0.1
(1,1696)	1:101:A:LEU:HD22	1:101:A:LEU:HB3	26	0.1
(1,1696)	1:101:A:LEU:HD23	1:101:A:LEU:HB3	26	0.1
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	4	0.1
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	4	0.1
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	4	0.1
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	4	0.1
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	4	0.1
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	4	0.1
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	4	0.1
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	4	0.1
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	4	0.1
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG21	16	0.1
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG22	16	0.1
(1,1685)	1:97:A:LEU:HD11	1:71:A:VAL:HG23	16	0.1
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG21	16	0.1
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG22	16	0.1
(1,1685)	1:97:A:LEU:HD12	1:71:A:VAL:HG23	16	0.1
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG21	16	0.1
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG22	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:97:A:LEU:HD13	1:71:A:VAL:HG23	16	0.1
(1,1679)	1:85:A:LEU:HD11	1:35:A:PHE:HD1	14	0.1
(1,1679)	1:85:A:LEU:HD11	1:35:A:PHE:HD2	14	0.1
(1,1679)	1:85:A:LEU:HD12	1:35:A:PHE:HD1	14	0.1
(1,1679)	1:85:A:LEU:HD12	1:35:A:PHE:HD2	14	0.1
(1,1679)	1:85:A:LEU:HD13	1:35:A:PHE:HD1	14	0.1
(1,1679)	1:85:A:LEU:HD13	1:35:A:PHE:HD2	14	0.1
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	34	0.1
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	34	0.1
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	34	0.1
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	38	0.1
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	38	0.1
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	38	0.1
(1,1678)	1:85:A:LEU:HD11	1:85:A:LEU:HA	40	0.1
(1,1678)	1:85:A:LEU:HD12	1:85:A:LEU:HA	40	0.1
(1,1678)	1:85:A:LEU:HD13	1:85:A:LEU:HA	40	0.1
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	2	0.1
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	2	0.1
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	2	0.1
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	2	0.1
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	2	0.1
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	2	0.1
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	2	0.1
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	2	0.1
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	2	0.1
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG21	38	0.1
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG22	38	0.1
(1,1650)	1:81:A:VAL:HG21	1:16:A:ILE:HG23	38	0.1
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG21	38	0.1
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG22	38	0.1
(1,1650)	1:81:A:VAL:HG22	1:16:A:ILE:HG23	38	0.1
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG21	38	0.1
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG22	38	0.1
(1,1650)	1:81:A:VAL:HG23	1:16:A:ILE:HG23	38	0.1
(1,1622)	1:82:A:ILE:HD11	1:83:A:ALA:H	11	0.1
(1,1622)	1:82:A:ILE:HD12	1:83:A:ALA:H	11	0.1
(1,1622)	1:82:A:ILE:HD13	1:83:A:ALA:H	11	0.1
(1,1622)	1:82:A:ILE:HD11	1:83:A:ALA:H	28	0.1
(1,1622)	1:82:A:ILE:HD12	1:83:A:ALA:H	28	0.1
(1,1622)	1:82:A:ILE:HD13	1:83:A:ALA:H	28	0.1
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD1	5	0.1
(1,1601)	1:68:A:ILE:HG21	1:55:A:TYR:HD2	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD1	5	0.1
(1,1601)	1:68:A:ILE:HG22	1:55:A:TYR:HD2	5	0.1
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD1	5	0.1
(1,1601)	1:68:A:ILE:HG23	1:55:A:TYR:HD2	5	0.1
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE1	10	0.1
(1,1600)	1:68:A:ILE:HG21	1:79:A:TYR:HE2	10	0.1
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE1	10	0.1
(1,1600)	1:68:A:ILE:HG22	1:79:A:TYR:HE2	10	0.1
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE1	10	0.1
(1,1600)	1:68:A:ILE:HG23	1:79:A:TYR:HE2	10	0.1
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	19	0.1
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	19	0.1
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	19	0.1
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	30	0.1
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	30	0.1
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	30	0.1
(1,1550)	1:10:A:ILE:HG21	1:9:A:PRO:HA	35	0.1
(1,1550)	1:10:A:ILE:HG22	1:9:A:PRO:HA	35	0.1
(1,1550)	1:10:A:ILE:HG23	1:9:A:PRO:HA	35	0.1
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	27	0.1
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	27	0.1
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	27	0.1
(1,1513)	1:66:A:MET:HE1	1:29:A:PHE:H	31	0.1
(1,1513)	1:66:A:MET:HE2	1:29:A:PHE:H	31	0.1
(1,1513)	1:66:A:MET:HE3	1:29:A:PHE:H	31	0.1
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	3	0.1
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	3	0.1
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	3	0.1
(1,1510)	1:66:A:MET:HE1	1:42:A:TRP:HE1	37	0.1
(1,1510)	1:66:A:MET:HE2	1:42:A:TRP:HE1	37	0.1
(1,1510)	1:66:A:MET:HE3	1:42:A:TRP:HE1	37	0.1
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	2	0.1
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	2	0.1
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	2	0.1
(1,1508)	1:66:A:MET:HE1	1:42:A:TRP:HZ3	24	0.1
(1,1508)	1:66:A:MET:HE2	1:42:A:TRP:HZ3	24	0.1
(1,1508)	1:66:A:MET:HE3	1:42:A:TRP:HZ3	24	0.1
(1,1507)	1:66:A:MET:HE1	1:42:A:TRP:HB2	13	0.1
(1,1507)	1:66:A:MET:HE2	1:42:A:TRP:HB2	13	0.1
(1,1507)	1:66:A:MET:HE3	1:42:A:TRP:HB2	13	0.1
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD11	14	0.1
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD12	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD13	14	0.1
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD11	14	0.1
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD12	14	0.1
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD13	14	0.1
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD11	14	0.1
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD12	14	0.1
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD13	14	0.1
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD11	26	0.1
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD12	26	0.1
(1,1502)	1:66:A:MET:HE1	1:49:A:LEU:HD13	26	0.1
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD11	26	0.1
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD12	26	0.1
(1,1502)	1:66:A:MET:HE2	1:49:A:LEU:HD13	26	0.1
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD11	26	0.1
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD12	26	0.1
(1,1502)	1:66:A:MET:HE3	1:49:A:LEU:HD13	26	0.1
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	5	0.1
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	5	0.1
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	5	0.1
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	25	0.1
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	25	0.1
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	25	0.1
(1,1494)	1:81:A:VAL:HG11	1:12:A:PHE:HZ	29	0.1
(1,1494)	1:81:A:VAL:HG12	1:12:A:PHE:HZ	29	0.1
(1,1494)	1:81:A:VAL:HG13	1:12:A:PHE:HZ	29	0.1
(1,1484)	1:81:A:VAL:HB	1:42:A:TRP:HE1	4	0.1
(1,1484)	1:81:A:VAL:HB	1:42:A:TRP:HE1	7	0.1
(1,1484)	1:81:A:VAL:HB	1:42:A:TRP:HE1	31	0.1
(1,1473)	1:78:A:VAL:HG11	1:94:A:THR:HB	28	0.1
(1,1473)	1:78:A:VAL:HG12	1:94:A:THR:HB	28	0.1
(1,1473)	1:78:A:VAL:HG13	1:94:A:THR:HB	28	0.1
(1,1408)	1:20:A:VAL:HG11	1:100:A:GLU:HA	33	0.1
(1,1408)	1:20:A:VAL:HG12	1:100:A:GLU:HA	33	0.1
(1,1408)	1:20:A:VAL:HG13	1:100:A:GLU:HA	33	0.1
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB1	7	0.1
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB2	7	0.1
(1,1384)	1:91:A:ALA:HB1	1:83:A:ALA:HB3	7	0.1
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB1	7	0.1
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB2	7	0.1
(1,1384)	1:91:A:ALA:HB2	1:83:A:ALA:HB3	7	0.1
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB1	7	0.1
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB2	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:91:A:ALA:HB3	1:83:A:ALA:HB3	7	0.1
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB1	7	0.1
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB2	7	0.1
(1,1379)	1:83:A:ALA:HB1	1:91:A:ALA:HB3	7	0.1
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB1	7	0.1
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB2	7	0.1
(1,1379)	1:83:A:ALA:HB2	1:91:A:ALA:HB3	7	0.1
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB1	7	0.1
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB2	7	0.1
(1,1379)	1:83:A:ALA:HB3	1:91:A:ALA:HB3	7	0.1
(1,1368)	1:16:A:ILE:HB	1:29:A:PHE:HB3	28	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	1	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	1	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	1	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	3	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	3	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	3	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	4	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	4	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	4	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	6	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	6	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	6	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	11	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	11	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	11	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	12	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	12	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	12	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	13	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	13	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	13	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	14	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	14	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	14	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	20	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	20	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	20	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	23	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	23	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	23	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	25	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	25	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	25	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	30	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	30	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	30	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	31	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	31	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	31	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	34	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	34	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	34	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	35	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	35	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	35	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	36	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	36	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	36	0.1
(1,1357)	1:16:A:ILE:HG21	1:16:A:ILE:HG13	40	0.1
(1,1357)	1:16:A:ILE:HG22	1:16:A:ILE:HG13	40	0.1
(1,1357)	1:16:A:ILE:HG23	1:16:A:ILE:HG13	40	0.1
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	15	0.1
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	15	0.1
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	15	0.1
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	17	0.1
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	17	0.1
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	17	0.1
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	18	0.1
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	18	0.1
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	18	0.1
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	21	0.1
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	21	0.1
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	21	0.1
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	26	0.1
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	26	0.1
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	26	0.1
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	34	0.1
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	34	0.1
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	34	0.1
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	38	0.1
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	38	0.1
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	38	0.1
(1,1349)	1:16:A:ILE:HD11	1:17:A:GLN:H	40	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1349)	1:16:A:ILE:HD12	1:17:A:GLN:H	40	0.1
(1,1349)	1:16:A:ILE:HD13	1:17:A:GLN:H	40	0.1
(1,1348)	1:16:A:ILE:HD11	1:95:A:ALA:H	5	0.1
(1,1348)	1:16:A:ILE:HD12	1:95:A:ALA:H	5	0.1
(1,1348)	1:16:A:ILE:HD13	1:95:A:ALA:H	5	0.1
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	3	0.1
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	10	0.1
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	27	0.1
(1,1295)	1:40:A:VAL:HB	1:41:A:THR:H	39	0.1
(1,1266)	1:94:A:THR:HG21	1:95:A:ALA:H	28	0.1
(1,1266)	1:94:A:THR:HG22	1:95:A:ALA:H	28	0.1
(1,1266)	1:94:A:THR:HG23	1:95:A:ALA:H	28	0.1
(1,1265)	1:94:A:THR:HG21	1:95:A:ALA:H	28	0.1
(1,1265)	1:94:A:THR:HG22	1:95:A:ALA:H	28	0.1
(1,1265)	1:94:A:THR:HG23	1:95:A:ALA:H	28	0.1
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	4	0.1
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	4	0.1
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	4	0.1
(1,1264)	1:94:A:THR:HG21	1:93:A:SER:HA	9	0.1
(1,1264)	1:94:A:THR:HG22	1:93:A:SER:HA	9	0.1
(1,1264)	1:94:A:THR:HG23	1:93:A:SER:HA	9	0.1
(1,1261)	1:67:A:THR:HG21	1:56:A:ASN:H	13	0.1
(1,1261)	1:67:A:THR:HG22	1:56:A:ASN:H	13	0.1
(1,1261)	1:67:A:THR:HG23	1:56:A:ASN:H	13	0.1
(1,1261)	1:67:A:THR:HG21	1:56:A:ASN:H	31	0.1
(1,1261)	1:67:A:THR:HG22	1:56:A:ASN:H	31	0.1
(1,1261)	1:67:A:THR:HG23	1:56:A:ASN:H	31	0.1
(1,1261)	1:67:A:THR:HG21	1:56:A:ASN:H	35	0.1
(1,1261)	1:67:A:THR:HG22	1:56:A:ASN:H	35	0.1
(1,1261)	1:67:A:THR:HG23	1:56:A:ASN:H	35	0.1
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	8	0.1
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	8	0.1
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	8	0.1
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	11	0.1
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	11	0.1
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	11	0.1
(1,1239)	1:13:A:THR:HG21	1:34:A:SER:H	35	0.1
(1,1239)	1:13:A:THR:HG22	1:34:A:SER:H	35	0.1
(1,1239)	1:13:A:THR:HG23	1:34:A:SER:H	35	0.1
(1,1236)	1:13:A:THR:HG21	1:34:A:SER:HB3	33	0.1
(1,1236)	1:13:A:THR:HG22	1:34:A:SER:HB3	33	0.1
(1,1236)	1:13:A:THR:HG23	1:34:A:SER:HB3	33	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:101:A:LEU:H	1:22:A:SER:HA	12	0.1
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	12	0.1
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	12	0.1
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	12	0.1
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	14	0.1
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	14	0.1
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	14	0.1
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	18	0.1
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	18	0.1
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	18	0.1
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD21	34	0.1
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD22	34	0.1
(1,1222)	1:97:A:LEU:H	1:97:A:LEU:HD23	34	0.1
(1,1217)	1:69:A:HIS:H	1:56:A:ASN:H	10	0.1
(1,1213)	1:66:A:MET:H	1:28:A:THR:HA	15	0.1
(1,1213)	1:66:A:MET:H	1:28:A:THR:HA	28	0.1
(1,1208)	1:56:A:ASN:H	1:66:A:MET:HG2	8	0.1
(1,1208)	1:56:A:ASN:H	1:66:A:MET:HG2	14	0.1
(1,1208)	1:56:A:ASN:H	1:66:A:MET:HG2	20	0.1
(1,1204)	1:42:A:TRP:H	1:57:A:PHE:HE1	24	0.1
(1,1204)	1:42:A:TRP:H	1:57:A:PHE:HE2	24	0.1
(1,1202)	1:41:A:THR:H	1:83:A:ALA:HA	12	0.1
(1,1174)	1:91:A:ALA:H	1:84:A:ARG:HA	14	0.1
(1,1149)	1:54:A:LYS:H	1:53:A:GLN:HG3	14	0.1
(1,1149)	1:54:A:LYS:H	1:53:A:GLN:HG3	26	0.1
(1,1149)	1:54:A:LYS:H	1:53:A:GLN:HG3	29	0.1
(1,1137)	1:100:A:GLU:H	1:101:A:LEU:H	22	0.1
(1,1130)	1:40:A:VAL:H	1:83:A:ALA:HB1	16	0.1
(1,1130)	1:40:A:VAL:H	1:83:A:ALA:HB2	16	0.1
(1,1130)	1:40:A:VAL:H	1:83:A:ALA:HB3	16	0.1
(1,1056)	1:33:A:VAL:H	1:62:A:ARG:HB2	17	0.1
(1,1052)	1:26:A:SER:H	1:25:A:GLN:HG2	7	0.1
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	14	0.1
(1,1020)	1:48:A:GLU:H	1:48:A:GLU:HG3	30	0.1
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	6	0.1
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	6	0.1
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	6	0.1
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	18	0.1
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	18	0.1
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	18	0.1
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG21	20	0.1
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG22	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,997)	1:79:A:TYR:H	1:94:A:THR:HG23	20	0.1
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	7	0.1
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	13	0.1
(1,987)	1:12:A:PHE:H	1:11:A:GLN:HB2	19	0.1
(1,948)	1:34:A:SER:H	1:33:A:VAL:HG21	20	0.1
(1,948)	1:34:A:SER:H	1:33:A:VAL:HG22	20	0.1
(1,948)	1:34:A:SER:H	1:33:A:VAL:HG23	20	0.1
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	7	0.1
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	9	0.1
(1,941)	1:34:A:SER:H	1:12:A:PHE:HA	14	0.1
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	22	0.1
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	22	0.1
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	22	0.1
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	33	0.1
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	33	0.1
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	33	0.1
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	37	0.1
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	37	0.1
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	37	0.1
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG11	38	0.1
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG12	38	0.1
(1,933)	1:98:A:LYS:H	1:20:A:VAL:HG13	38	0.1
(1,915)	1:37:A:ASP:H	1:37:A:ASP:HA	2	0.1
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	2	0.1
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	16	0.1
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	33	0.1
(1,899)	1:44:A:LYS:H	1:43:A:TYR:HB2	40	0.1
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	1	0.1
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	3	0.1
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	4	0.1
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	9	0.1
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	23	0.1
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	24	0.1
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	30	0.1
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	39	0.1
(1,889)	1:80:A:SER:H	1:79:A:TYR:HB2	40	0.1
(1,888)	1:80:A:SER:H	1:43:A:TYR:HB3	33	0.1
(1,875)	1:8:A:GLU:H	1:7:A:ALA:HB1	31	0.1
(1,875)	1:8:A:GLU:H	1:7:A:ALA:HB2	31	0.1
(1,875)	1:8:A:GLU:H	1:7:A:ALA:HB3	31	0.1
(1,864)	1:86:A:GLU:H	1:86:A:GLU:HG3	9	0.1
(1,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	21	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:86:A:GLU:H	1:85:A:LEU:HB3	36	0.1
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB1	39	0.1
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB2	39	0.1
(1,849)	1:83:A:ALA:H	1:91:A:ALA:HB3	39	0.1
(1,813)	1:25:A:GLN:H	1:25:A:GLN:HG3	19	0.1
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	37	0.1
(1,810)	1:25:A:GLN:H	1:71:A:VAL:HB	38	0.1
(1,742)	1:76:A:GLU:H	1:77:A:GLY:H	6	0.1
(1,742)	1:76:A:GLU:H	1:77:A:GLY:H	9	0.1
(1,742)	1:76:A:GLU:H	1:77:A:GLY:H	13	0.1
(1,742)	1:76:A:GLU:H	1:77:A:GLY:H	19	0.1
(1,742)	1:76:A:GLU:H	1:77:A:GLY:H	37	0.1
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	2	0.1
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	7	0.1
(1,726)	1:49:A:LEU:H	1:48:A:GLU:HG3	11	0.1
(1,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	1	0.1
(1,709)	1:16:A:ILE:H	1:31:A:CYS:HB2	6	0.1
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	8	0.1
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	9	0.1
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	20	0.1
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	30	0.1
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	33	0.1
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	34	0.1
(1,666)	1:72:A:THR:H	1:72:A:THR:HB	35	0.1
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	3	0.1
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	13	0.1
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	29	0.1
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	30	0.1
(1,661)	1:7:A:ALA:H	1:6:A:THR:HA	32	0.1
(1,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	7	0.1
(1,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	16	0.1
(1,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	39	0.1
(1,609)	1:43:A:TYR:H	1:42:A:TRP:HB2	40	0.1
(1,567)	1:47:A:THR:H	1:47:A:THR:HG21	6	0.1
(1,567)	1:47:A:THR:H	1:47:A:THR:HG22	6	0.1
(1,567)	1:47:A:THR:H	1:47:A:THR:HG23	6	0.1
(1,564)	1:47:A:THR:H	1:43:A:TYR:HB3	10	0.1
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	3	0.1
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	3	0.1
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	3	0.1
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	6	0.1
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	6	0.1
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	12	0.1
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	12	0.1
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	12	0.1
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG11	19	0.1
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG12	19	0.1
(1,551)	1:71:A:VAL:H	1:71:A:VAL:HG13	19	0.1
(1,529)	1:99:A:GLY:H	1:76:A:GLU:HB2	37	0.1
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	6	0.1
(1,512)	1:67:A:THR:H	1:66:A:MET:HB2	39	0.1
(1,419)	1:69:A:HIS:H	1:54:A:LYS:HA	16	0.1
(1,419)	1:69:A:HIS:H	1:54:A:LYS:HA	27	0.1
(1,419)	1:69:A:HIS:H	1:54:A:LYS:HA	29	0.1
(1,419)	1:69:A:HIS:H	1:54:A:LYS:HA	39	0.1
(1,410)	1:96:A:GLU:H	1:18:A:ASN:HD21	1	0.1
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	4	0.1
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	12	0.1
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	31	0.1
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	32	0.1
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	34	0.1
(1,369)	1:18:A:ASN:H	1:17:A:GLN:HB2	38	0.1
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	6	0.1
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	6	0.1
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	15	0.1
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	15	0.1
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	26	0.1
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	26	0.1
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD1	28	0.1
(1,339)	1:14:A:LYS:H	1:12:A:PHE:HD2	28	0.1
(1,314)	1:63:A:CYS:H	1:64:A:HIS:HD2	16	0.1
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	8	0.1
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	10	0.1
(1,296)	1:31:A:CYS:H	1:30:A:GLU:HB3	13	0.1
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	3	0.1
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	10	0.1
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	13	0.1
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	15	0.1
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	17	0.1
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	24	0.1
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	25	0.1
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	26	0.1
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	30	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	34	0.1
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	36	0.1
(1,281)	1:29:A:PHE:H	1:29:A:PHE:HB3	39	0.1
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG21	28	0.1
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG22	28	0.1
(1,252)	1:95:A:ALA:H	1:94:A:THR:HG23	28	0.1
(1,239)	1:13:A:THR:H	1:14:A:LYS:HA	1	0.1
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	11	0.1
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	11	0.1
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	13	0.1
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	13	0.1
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	26	0.1
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	26	0.1
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	38	0.1
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	38	0.1
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD1	39	0.1
(1,230)	1:13:A:THR:H	1:12:A:PHE:HD2	39	0.1
(1,212)	1:91:A:ALA:H	1:90:A:GLU:HB2	6	0.1
(1,203)	1:90:A:GLU:H	1:91:A:ALA:H	3	0.1
(1,203)	1:90:A:GLU:H	1:91:A:ALA:H	6	0.1
(1,203)	1:90:A:GLU:H	1:91:A:ALA:H	7	0.1
(1,203)	1:90:A:GLU:H	1:91:A:ALA:H	10	0.1
(1,203)	1:90:A:GLU:H	1:91:A:ALA:H	16	0.1
(1,203)	1:90:A:GLU:H	1:91:A:ALA:H	20	0.1
(1,201)	1:90:A:GLU:H	1:89:A:GLY:HA2	14	0.1
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	5	0.1
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	5	0.1
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	5	0.1
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG21	39	0.1
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG22	39	0.1
(1,199)	1:90:A:GLU:H	1:10:A:ILE:HG23	39	0.1
(1,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	2	0.1
(1,198)	1:90:A:GLU:H	1:90:A:GLU:HB2	13	0.1
(1,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	3	0.1
(1,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	4	0.1
(1,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	5	0.1
(1,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	12	0.1
(1,165)	1:10:A:ILE:H	1:9:A:PRO:HB2	19	0.1
(1,148)	1:45:A:GLY:H	1:46:A:PRO:HD2	29	0.1
(1,139)	1:101:A:LEU:H	1:100:A:GLU:H	22	0.1
(1,111)	1:63:A:CYS:H	1:60:A:ASP:H	10	0.1
(1,55)	1:42:A:TRP:H	1:42:A:TRP:HB3	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:42:A:TRP:H	1:42:A:TRP:HB3	11	0.1
(1,55)	1:42:A:TRP:H	1:42:A:TRP:HB3	13	0.1
(1,55)	1:42:A:TRP:H	1:42:A:TRP:HB3	15	0.1
(1,55)	1:42:A:TRP:H	1:42:A:TRP:HB3	26	0.1
(1,55)	1:42:A:TRP:H	1:42:A:TRP:HB3	28	0.1
(1,55)	1:42:A:TRP:H	1:42:A:TRP:HB3	32	0.1
(1,55)	1:42:A:TRP:H	1:42:A:TRP:HB3	35	0.1
(1,24)	1:89:A:GLY:H	1:9:A:PRO:HB3	6	0.1

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

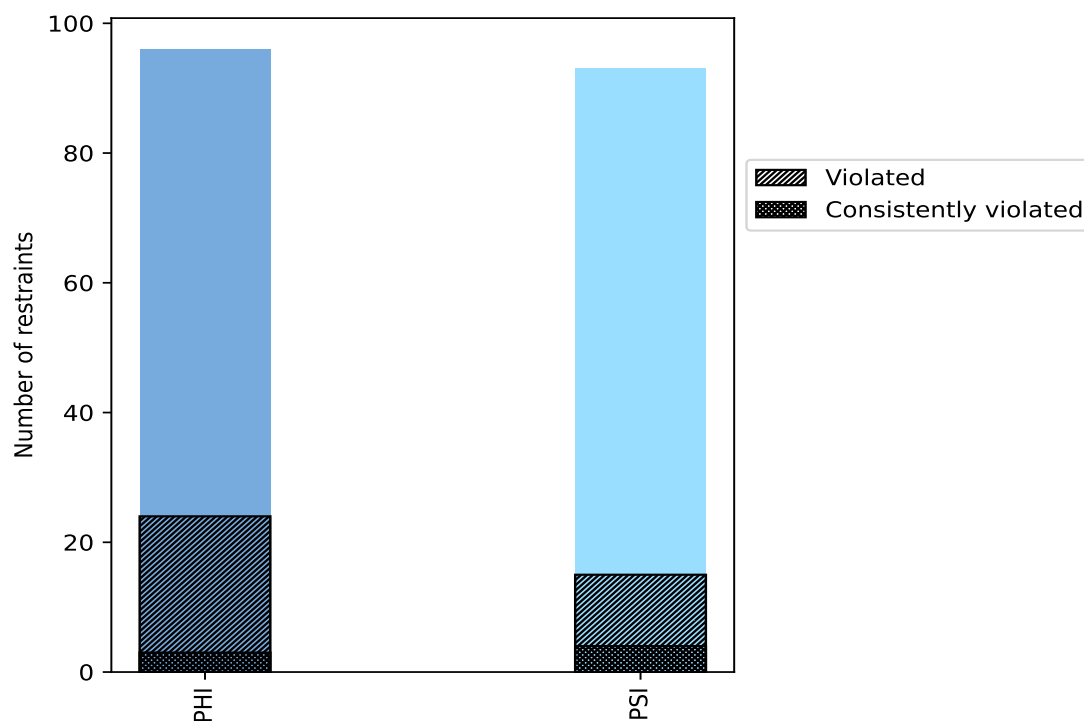
10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PHI	96	50.8	24	25.0	12.7	3	3.1	1.6
PSI	93	49.2	15	16.1	7.9	4	4.3	2.1
Total	189	100.0	39	20.6	20.6	7	3.7	3.7

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

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



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

10.2 Dihedral-angle violation statistics for each model ⓘ

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

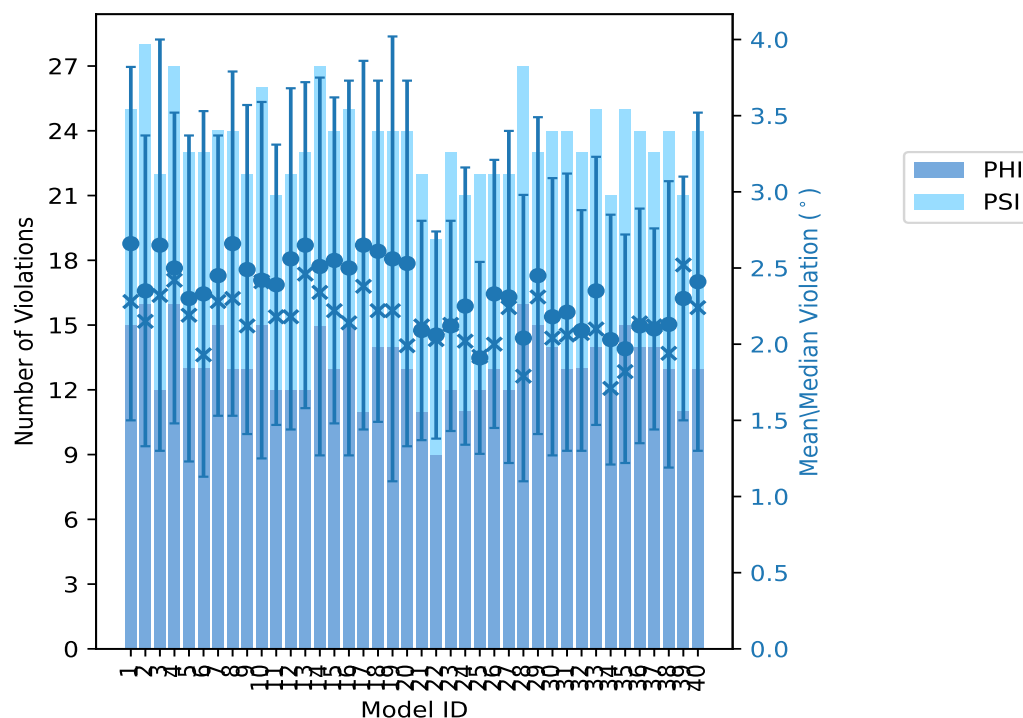
Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
1	15	10	25	2.66	4.88	1.16	2.28
2	16	12	28	2.35	4.77	1.02	2.15
3	12	10	22	2.65	6.1	1.35	2.32
4	16	11	27	2.5	4.91	1.02	2.42
5	13	10	23	2.3	4.96	1.07	2.19
6	13	10	23	2.33	5.31	1.2	1.93
7	15	9	24	2.45	4.86	0.92	2.28
8	13	11	24	2.66	5.31	1.13	2.3
9	13	9	22	2.49	4.8	1.08	2.12
10	15	11	26	2.42	4.93	1.17	2.41
11	12	9	21	2.39	4.42	0.92	2.18
12	12	10	22	2.56	5.01	1.12	2.18
13	12	11	23	2.65	4.95	1.07	2.46
14	15	12	27	2.51	6.09	1.24	2.34
15	13	11	24	2.55	5.01	1.07	2.22
16	15	10	25	2.5	5.98	1.23	2.14
17	11	8	19	2.65	5.92	1.21	2.38
18	14	10	24	2.61	5.44	1.12	2.22
19	14	10	24	2.56	5.98	1.46	2.22
20	13	11	24	2.53	5.06	1.2	1.99
21	11	11	22	2.09	3.75	0.72	2.12
22	9	10	19	2.06	3.48	0.68	2.03
23	12	11	23	2.12	3.4	0.69	2.13
24	11	10	21	2.25	4.64	0.91	2.02
25	12	10	22	1.91	3.2	0.63	1.92
26	13	9	22	2.33	5.16	0.88	2.0
27	12	10	22	2.31	5.79	1.09	2.24
28	16	11	27	2.04	5.11	0.94	1.79
29	15	8	23	2.45	5.28	1.04	2.31
30	14	10	24	2.18	5.13	0.91	2.04
31	13	11	24	2.21	5.12	0.91	2.06
32	13	10	23	2.09	4.1	0.79	2.07
33	14	11	25	2.35	5.16	0.88	2.1
34	12	9	21	2.03	3.8	0.82	1.71
35	15	10	25	1.97	3.62	0.75	1.82
36	14	10	24	2.12	3.8	0.77	2.14
37	14	9	23	2.1	3.47	0.66	2.12
38	13	11	24	2.13	5.23	0.94	1.94

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Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
39	11	10	21	2.3	3.5	0.8	2.52
40	13	11	24	2.41	5.49	1.11	2.24

10.2.1 Bar graph : Dihedral violation statistics for each model [i](#)



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

10.3 Dihedral-angle violation statistics for the ensemble [i](#)

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

Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
3	2	5	1	2.5
2	0	2	2	5.0
0	0	0	3	7.5
0	0	0	4	10.0

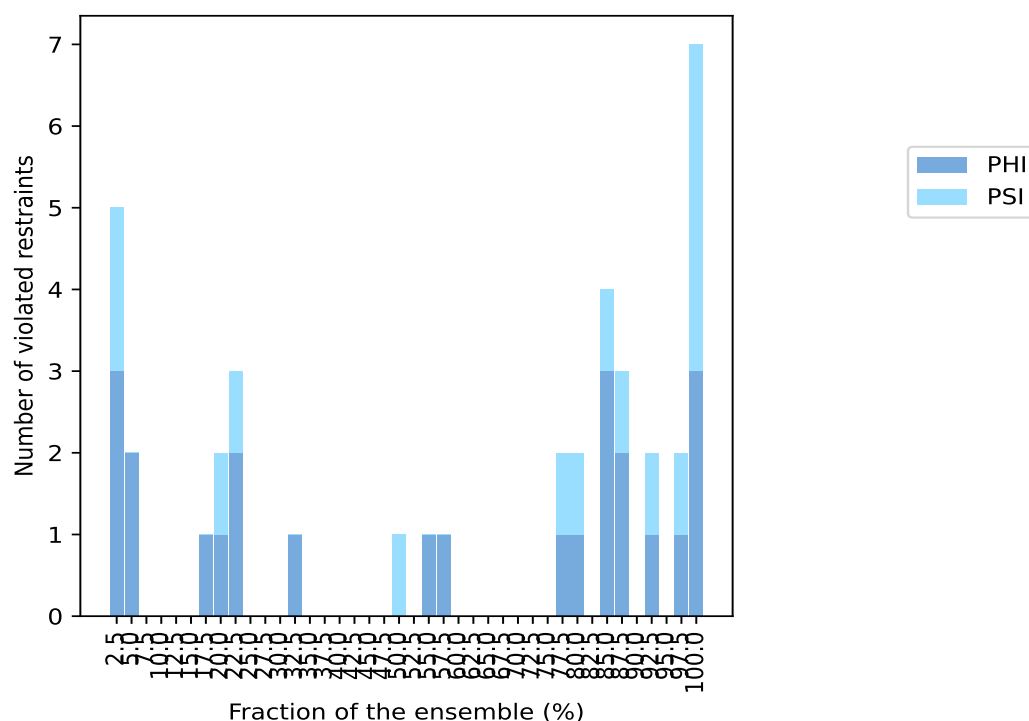
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Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
0	0	0	5	12.5
0	0	0	6	15.0
1	0	1	7	17.5
1	1	2	8	20.0
2	1	3	9	22.5
0	0	0	10	25.0
0	0	0	11	27.5
0	0	0	12	30.0
1	0	1	13	32.5
0	0	0	14	35.0
0	0	0	15	37.5
0	0	0	16	40.0
0	0	0	17	42.5
0	0	0	18	45.0
0	0	0	19	47.5
0	1	1	20	50.0
0	0	0	21	52.5
1	0	1	22	55.0
1	0	1	23	57.5
0	0	0	24	60.0
0	0	0	25	62.5
0	0	0	26	65.0
0	0	0	27	67.5
0	0	0	28	70.0
0	0	0	29	72.5
0	0	0	30	75.0
1	1	2	31	77.5
1	1	2	32	80.0
0	0	0	33	82.5
3	1	4	34	85.0
2	1	3	35	87.5
0	0	0	36	90.0
1	1	2	37	92.5
0	0	0	38	95.0
1	1	2	39	97.5
3	4	7	40	100.0

¹ Number of models with violations

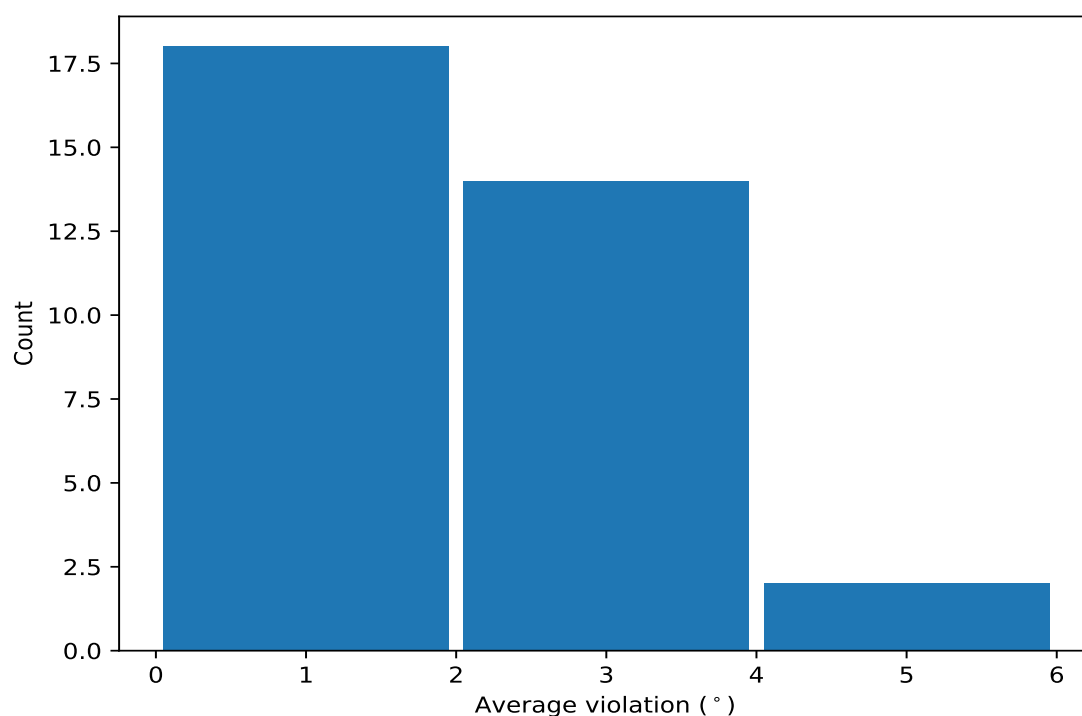
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble [i](#)



10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

10.4.1 Histogram : Distribution of mean dihedral-angle 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



10.4.2 Table: Most violated dihedral-angle restraints [i](#)

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	40	3.48	0.38	3.48
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	40	3.22	0.57	3.22
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	40	2.64	0.67	2.56
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	40	2.57	0.42	2.53
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	40	2.34	0.27	2.37
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	40	2.17	0.28	2.16
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	40	2.17	0.37	2.17
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	39	2.31	0.59	2.37
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	39	1.68	0.41	1.57
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	37	3.24	0.52	3.16
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	37	1.63	0.29	1.66
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	35	2.6	0.65	2.76
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	35	1.79	0.5	1.78
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	35	1.3	0.16	1.27
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	34	3.84	1.59	4.62
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	34	2.3	0.26	2.29
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	34	1.85	0.56	1.72
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	34	1.42	0.25	1.38
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	32	2.14	0.78	2.15
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	32	1.88	0.32	1.9
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	31	2.58	1.2	2.59

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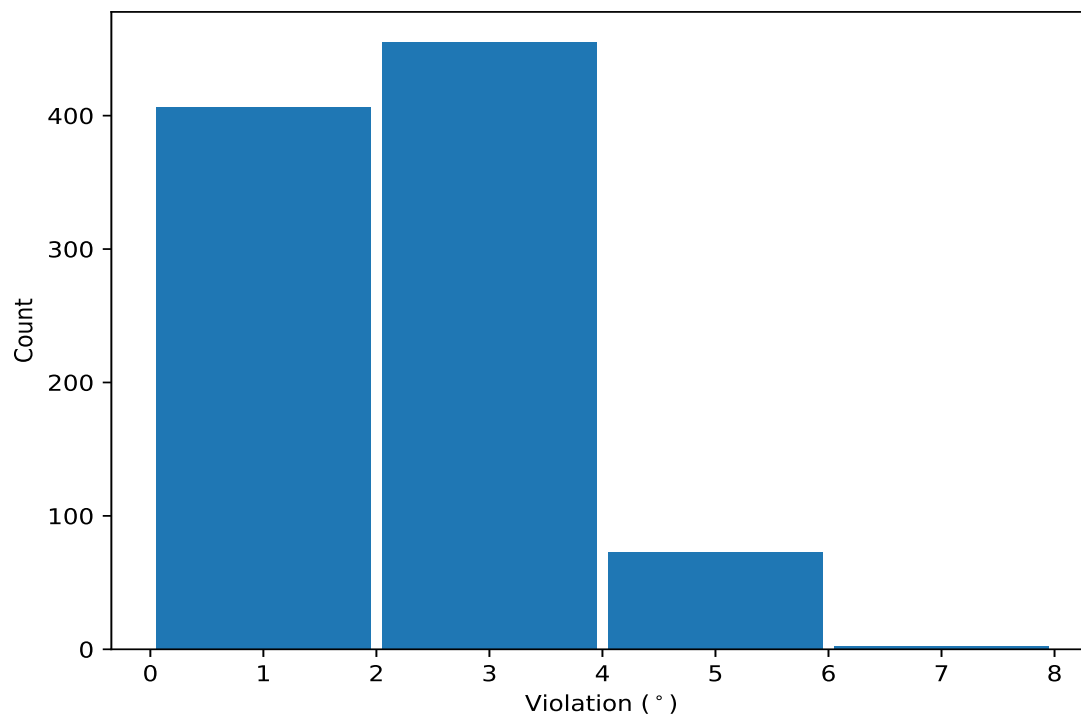
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	31	1.58	0.31	1.55
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	23	1.52	0.4	1.38
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	22	4.58	1.13	4.84
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	20	4.97	0.56	4.86
(1,57)	1:34:A:SER:C	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	13	1.79	0.37	1.84
(1,152)	1:84:A:ARG:C	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	9	1.68	0.38	1.68
(1,126)	1:70:A:ASN:C	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	9	1.28	0.32	1.14
(1,109)	1:62:A:ARG:N	1:62:A:ARG:CA	1:62:A:ARG:C	1:63:A:CYS:N	9	1.2	0.14	1.2
(1,59)	1:35:A:PHE:C	1:36:A:ASP:N	1:36:A:ASP:CA	1:36:A:ASP:C	8	1.82	0.57	1.78
(1,157)	1:87:A:PRO:N	1:87:A:PRO:CA	1:87:A:PRO:C	1:88:A:ARG:N	8	1.13	0.13	1.06
(1,19)	1:14:A:LYS:C	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	7	1.11	0.08	1.14
(1,112)	1:63:A:CYS:C	1:64:A:HIS:N	1:64:A:HIS:CA	1:64:A:HIS:C	2	1.41	0.2	1.41
(1,108)	1:61:A:GLY:C	1:62:A:ARG:N	1:62:A:ARG:CA	1:62:A:ARG:C	2	1.12	0.08	1.12

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

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

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

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



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

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	3	6.1
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	14	6.09
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	16	5.98
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	19	5.98
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	17	5.92
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	27	5.79
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	3	5.7
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	19	5.66
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	40	5.49
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	18	5.44
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	14	5.34
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	8	5.31
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	17	5.31
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	6	5.31
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	29	5.28
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	38	5.23
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	16	5.2
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	26	5.16
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	33	5.16
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	30	5.13
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	31	5.12
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	28	5.11
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	20	5.06
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	19	5.03
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	6	5.02
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	12	5.01
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	15	5.01
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	5	4.96
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	13	4.95
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	10	4.93
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	4	4.91
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1	4.88
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	10	4.87
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	7	4.86
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	8	4.86
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	12	4.86
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	6	4.84
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	13	4.81
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	15	4.81
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	9	4.8
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	14	4.79
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	2	4.77
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	9	4.75
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	13	4.72
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	2	4.71
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	18	4.71
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	1	4.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	20	4.68
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	1	4.68
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	24	4.64
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	3	4.61
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	20	4.6
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	5	4.59
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	10	4.59
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	19	4.59
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	18	4.52
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	12	4.49
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	40	4.47
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	4	4.46
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	11	4.42
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	11	4.41
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	29	4.23
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	20	4.23
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	1	4.21
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	20	4.2
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	13	4.19
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	16	4.14
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	7	4.13
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	32	4.1
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	11	4.09
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	4	4.07
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	16	4.06
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	8	4.04
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	10	4.04
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	8	4.01
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	5	3.99
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	18	3.99
(1,153)	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	1:86:A:GLU:N	4	3.97
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	10	3.97
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	9	3.91
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	40	3.89
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	27	3.89
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	19	3.88
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	1	3.86
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	1	3.81
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	34	3.8
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	32	3.8
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	36	3.8
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	7	3.79
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	8	3.78
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	15	3.78
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	24	3.78
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	40	3.77
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	36	3.76
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	21	3.75
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	9	3.74
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	12	3.74
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	29	3.73

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	1	3.72
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	17	3.72
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	1	3.71
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	14	3.7
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	2	3.67
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	9	3.66
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	15	3.64
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	33	3.63
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	8	3.62
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	35	3.62
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	2	3.6
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	18	3.57
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	40	3.57
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	13	3.56
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	15	3.56
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	30	3.56
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	15	3.54
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	2	3.53
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	4	3.53
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	19	3.53
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	18	3.52
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	15	3.52
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	2	3.51
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	4	3.51
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	2	3.51
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	12	3.5
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	39	3.5
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	26	3.49
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	26	3.48
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	22	3.48
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	37	3.47
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	14	3.47
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	16	3.46
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	39	3.46
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	5	3.45
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	20	3.45
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	33	3.44
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	4	3.43
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	3	3.42
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	34	3.42
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	24	3.41
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	31	3.41
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	27	3.4
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	23	3.4
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	3	3.39
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	28	3.38
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	29	3.38
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	8	3.38
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	35	3.37
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	20	3.36
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	7	3.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	12	3.34
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	3	3.31
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	9	3.31
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	27	3.31
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	29	3.31
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	28	3.29
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	6	3.28
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	11	3.28
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	38	3.27
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	39	3.26
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	24	3.24
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	9	3.24
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	29	3.23
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	28	3.23
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	17	3.21
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	23	3.21
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	39	3.21
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	31	3.21
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	34	3.21
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	17	3.21
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	21	3.2
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	25	3.2
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	37	3.17
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	23	3.16
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	35	3.16
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	3	3.15
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	7	3.15
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	16	3.14
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	16	3.12
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	13	3.11
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	32	3.11
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	6	3.1
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	21	3.1
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	34	3.09
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	38	3.09
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	31	3.08
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	26	3.08
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	38	3.08
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	23	3.06
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	8	3.06
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	18	3.06
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	8	3.06
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	23	3.05
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	25	3.05
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	31	3.04
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	30	3.04
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	33	3.04
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	7	3.03
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	21	3.02
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	3	3.02
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	14	3.02

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	37	3.01
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	19	3.01
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	33	3.0
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	30	3.0
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	33	3.0
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	16	3.0
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	7	2.99
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	29	2.99
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	5	2.99
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	39	2.98
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	18	2.98
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	33	2.97
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	15	2.96
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	15	2.96
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	12	2.96
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	8	2.95
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	10	2.94
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	36	2.94
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	38	2.94
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	28	2.93
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	29	2.91
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	39	2.91
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	40	2.9
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	3	2.89
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	40	2.89
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	27	2.88
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	24	2.88
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	30	2.88
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	22	2.88
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	35	2.87
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	14	2.87
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	39	2.87
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	35	2.86
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	17	2.85
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	36	2.85
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	17	2.84
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	36	2.83
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	11	2.82
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	4	2.82
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	22	2.81
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	7	2.81
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	32	2.79
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	33	2.78
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	27	2.78
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	37	2.77
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1	2.77
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	30	2.77
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	24	2.77
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	22	2.76
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	26	2.76
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	10	2.76

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	37	2.76
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	27	2.75
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	40	2.74
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	20	2.74
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	5	2.73
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	25	2.72
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	4	2.71
(1,59)	1:35:A:PHE:C	1:36:A:ASP:N	1:36:A:ASP:CA	1:36:A:ASP:C	29	2.7
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	18	2.7
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	34	2.69
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	20	2.69
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	5	2.68
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	36	2.68
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	14	2.68
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	19	2.68
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	18	2.67
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	22	2.67
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	2	2.66
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	15	2.66
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	31	2.66
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	1	2.66
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	26	2.66
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	31	2.65
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	13	2.65
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	32	2.65
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	13	2.64
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	14	2.64
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	28	2.64
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	39	2.64
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	28	2.64
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	36	2.64
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	38	2.63
(1,57)	1:34:A:SER:C	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	4	2.63
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	26	2.62
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	10	2.62
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	26	2.62
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	10	2.62
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	7	2.62
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	31	2.61
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	9	2.61
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	16	2.61
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	6	2.6
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	19	2.6
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	5	2.59
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	37	2.59
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	4	2.59
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	27	2.59
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	12	2.58
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	14	2.58
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	17	2.58
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	34	2.58

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	11	2.56
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	22	2.56
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	20	2.56
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	39	2.55
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	28	2.54
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	21	2.54
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	35	2.54
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	30	2.54
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	14	2.53
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	39	2.53
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	4	2.53
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	38	2.53
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	1	2.53
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	39	2.52
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	3	2.52
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	6	2.52
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	36	2.52
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	13	2.51
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	30	2.51
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	26	2.51
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	14	2.51
(1,20)	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	1:16:A:ILE:N	37	2.51
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	22	2.51
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	23	2.51
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	10	2.5
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	14	2.5
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	2	2.49
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	23	2.49
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	10	2.49
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	25	2.48
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	13	2.48
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	33	2.47
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	13	2.47
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	10	2.47
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	38	2.46
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	13	2.46
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	30	2.46
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	35	2.45
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	7	2.45
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	40	2.45
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	33	2.45
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	8	2.44
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	4	2.44
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	2	2.43
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	12	2.43
(1,56)	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	1:35:A:PHE:N	11	2.43
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	24	2.43
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	17	2.43
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	24	2.43
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	27	2.43
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	4	2.42

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	31	2.42
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	25	2.42
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	10	2.42
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	7	2.41
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	3	2.41
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	38	2.41
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	13	2.39
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	16	2.39
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	37	2.39
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	19	2.39
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	10	2.39
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	11	2.39
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	32	2.38
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	11	2.38
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	9	2.38
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	17	2.38
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	23	2.37
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	6	2.37
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	7	2.37
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	5	2.37
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	21	2.37
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	39	2.37
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	25	2.36
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	27	2.36
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	31	2.36
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	21	2.35
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	34	2.35
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	21	2.35
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	24	2.35
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	25	2.35
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	29	2.35
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	14	2.34
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	26	2.34
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	40	2.34
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	12	2.34
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	13	2.34
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	32	2.34
(1,59)	1:35:A:PHE:C	1:36:A:ASP:N	1:36:A:ASP:CA	1:36:A:ASP:C	1	2.33
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	19	2.32
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	29	2.32
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	38	2.32
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	40	2.31
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	29	2.31
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	8	2.31
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	39	2.31
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	10	2.31
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	5	2.31
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	36	2.31
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	34	2.31
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	2	2.3
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	21	2.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	15	2.3
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	21	2.3
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	18	2.29
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	6	2.29
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	22	2.29
(1,59)	1:35:A:PHE:C	1:36:A:ASP:N	1:36:A:ASP:CA	1:36:A:ASP:C	40	2.29
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	22	2.29
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	36	2.29
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	23	2.29
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	14	2.29
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	35	2.29
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	8	2.29
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	32	2.28
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1	2.28
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	37	2.28
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	19	2.27
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	2	2.27
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	15	2.27
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	36	2.26
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	16	2.26
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	25	2.26
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	33	2.26
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	27	2.25
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	25	2.25
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	14	2.24
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	9	2.24
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	38	2.24
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	11	2.24
(1,104)	1:59:A:ASN:C	1:60:A:ASP:N	1:60:A:ASP:CA	1:60:A:ASP:C	27	2.23
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	5	2.23
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	13	2.23
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	28	2.23
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	4	2.23
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	31	2.23
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	3	2.23
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	32	2.23
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	18	2.23
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	8	2.23
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	30	2.22
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	18	2.21
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	2	2.21
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	2	2.2
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	1	2.2
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	12	2.2
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	31	2.2
(1,152)	1:84:A:ARG:C	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	23	2.19
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	28	2.19
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	7	2.19
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	5	2.19
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	29	2.19
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	40	2.19

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	16	2.19
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	37	2.19
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	11	2.18
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	34	2.18
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	35	2.18
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	15	2.18
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	7	2.18
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	9	2.18
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	36	2.17
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	19	2.17
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	12	2.17
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	7	2.17
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	24	2.16
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	17	2.16
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	20	2.16
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	13	2.15
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	35	2.15
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	32	2.15
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	21	2.14
(1,57)	1:34:A:SER:C	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	30	2.14
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	16	2.14
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	37	2.14
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	11	2.14
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	23	2.13
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	23	2.13
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	36	2.12
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	17	2.12
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	37	2.12
(1,59)	1:35:A:PHE:C	1:36:A:ASP:N	1:36:A:ASP:CA	1:36:A:ASP:C	18	2.12
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	39	2.12
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	33	2.12
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	21	2.11
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	33	2.1
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	2	2.1
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	4	2.09
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	16	2.09
(1,126)	1:70:A:ASN:C	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	7	2.08
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	21	2.08
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	32	2.08
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	23	2.08
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	1	2.07
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	32	2.07
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	18	2.07
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	11	2.07
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	12	2.07
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	30	2.06
(1,152)	1:84:A:ARG:C	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	28	2.06
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	19	2.06
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	9	2.06
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	35	2.06
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	28	2.06

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	2	2.06
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	17	2.05
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	25	2.05
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	33	2.05
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	38	2.05
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	15	2.04
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	40	2.04
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	1	2.04
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	33	2.04
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	22	2.03
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	26	2.03
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	34	2.03
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	12	2.02
(1,152)	1:84:A:ARG:C	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	29	2.02
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	15	2.02
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	30	2.02
(1,57)	1:34:A:SER:C	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	20	2.02
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	24	2.02
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	16	2.02
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	33	2.02
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	29	2.01
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	40	2.0
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	19	2.0
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	13	2.0
(1,174)	1:95:A:ALA:C	1:96:A:GLU:N	1:96:A:GLU:CA	1:96:A:GLU:C	28	1.99
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	11	1.99
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	15	1.99
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	29	1.99
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	6	1.98
(1,57)	1:34:A:SER:C	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	9	1.98
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	30	1.98
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	30	1.98
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	37	1.97
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	5	1.97
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	6	1.97
(1,152)	1:84:A:ARG:C	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	35	1.96
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	17	1.96
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	20	1.96
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	26	1.96
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	8	1.95
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	25	1.95
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	2	1.94
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	1	1.94
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	9	1.94
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	26	1.94
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	32	1.94
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	8	1.94
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	18	1.94
(1,57)	1:34:A:SER:C	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	18	1.94
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	14	1.93
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	6	1.93

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	7	1.93
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	3	1.93
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	31	1.92
(1,63)	1:37:A:ASP:C	1:38:A:ALA:N	1:38:A:ALA:CA	1:38:A:ALA:C	1	1.92
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	37	1.92
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	3	1.92
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	1	1.92
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	12	1.92
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	23	1.91
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	13	1.9
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	24	1.9
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	37	1.9
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	24	1.89
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	20	1.89
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	8	1.89
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	31	1.89
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	26	1.88
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	25	1.88
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	24	1.88
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	14	1.87
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	6	1.87
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	26	1.87
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	33	1.86
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	37	1.86
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	4	1.86
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	26	1.85
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	27	1.85
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	6	1.85
(1,57)	1:34:A:SER:C	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	8	1.85
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	40	1.85
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	22	1.84
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	36	1.84
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	12	1.84
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	2	1.84
(1,57)	1:34:A:SER:C	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	33	1.84
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	10	1.83
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	38	1.83
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	33	1.82
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	8	1.82
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	35	1.82
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	22	1.81
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	32	1.81
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	20	1.81
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	18	1.81
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	11	1.81
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	36	1.81
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	8	1.8
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	3	1.8
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	26	1.8
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	15	1.8
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	31	1.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	11	1.79
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	28	1.79
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	13	1.79
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	16	1.79
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	35	1.78
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	21	1.78
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	38	1.78
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	28	1.78
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	37	1.78
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	9	1.77
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	4	1.77
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	15	1.77
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	27	1.77
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	4	1.77
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	5	1.77
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	20	1.76
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	19	1.76
(1,33)	1:21:A:VAL:C	1:22:A:SER:N	1:22:A:SER:CA	1:22:A:SER:C	31	1.76
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	6	1.75
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	36	1.75
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	22	1.75
(1,57)	1:34:A:SER:C	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	2	1.75
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	17	1.75
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	33	1.75
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	35	1.74
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	16	1.74
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	10	1.74
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	39	1.74
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	26	1.74
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	6	1.73
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	27	1.72
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	28	1.71
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	12	1.71
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	34	1.71
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	29	1.7
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	4	1.7
(1,71)	1:41:A:THR:C	1:42:A:TRP:N	1:42:A:TRP:CA	1:42:A:TRP:C	11	1.7
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	23	1.7
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	31	1.7
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	5	1.69
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	2	1.69
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	3	1.69
(1,152)	1:84:A:ARG:C	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	33	1.68
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	26	1.68
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	6	1.68
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	9	1.68
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	12	1.67
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	23	1.66
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	33	1.66
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	1	1.66
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	18	1.66

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	10	1.66
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	7	1.66
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	14	1.66
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	7	1.65
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	13	1.65
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	32	1.65
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	13	1.65
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	32	1.64
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	3	1.63
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	12	1.63
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	38	1.62
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	4	1.62
(1,57)	1:34:A:SER:C	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	40	1.62
(1,112)	1:63:A:CYS:C	1:64:A:HIS:N	1:64:A:HIS:CA	1:64:A:HIS:C	4	1.61
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	21	1.6
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	8	1.6
(1,126)	1:70:A:ASN:C	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	37	1.6
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	21	1.6
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	16	1.59
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	20	1.59
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	38	1.59
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	7	1.59
(1,22)	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	1:17:A:GLN:N	6	1.59
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	3	1.59
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	17	1.58
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	18	1.58
(1,57)	1:34:A:SER:C	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1	1.58
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	24	1.57
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	20	1.57
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	40	1.57
(1,57)	1:34:A:SER:C	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	34	1.57
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	11	1.57
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	19	1.57
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	23	1.57
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	14	1.56
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	38	1.56
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	40	1.56
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	32	1.56
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	29	1.55
(1,152)	1:84:A:ARG:C	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	36	1.55
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	22	1.55
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	9	1.55
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	4	1.54
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	9	1.54
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	5	1.54
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	24	1.54
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	5	1.53
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	23	1.53
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	30	1.53
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	11	1.52
(1,109)	1:62:A:ARG:N	1:62:A:ARG:CA	1:62:A:ARG:C	1:63:A:CYS:N	31	1.52

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	35	1.52
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	18	1.52
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	38	1.52
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	16	1.52
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	3	1.52
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	20	1.52
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	28	1.52
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	20	1.51
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	9	1.51
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	16	1.5
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	18	1.5
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	36	1.5
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	18	1.5
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	15	1.49
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	12	1.49
(1,58)	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	1:36:A:ASP:N	17	1.49
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	36	1.48
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	30	1.47
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	10	1.47
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	34	1.47
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	4	1.47
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	15	1.47
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	7	1.47
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	15	1.47
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	38	1.47
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	27	1.46
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	9	1.46
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	16	1.46
(1,18)	1:14:A:LYS:N	1:14:A:LYS:CA	1:14:A:LYS:C	1:15:A:ARG:N	2	1.46
(1,161)	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	1:90:A:GLU:N	15	1.45
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	3	1.45
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	30	1.45
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	34	1.45
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	34	1.45
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	16	1.45
(1,59)	1:35:A:PHE:C	1:36:A:ASP:N	1:36:A:ASP:CA	1:36:A:ASP:C	7	1.45
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	17	1.44
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	19	1.44
(1,59)	1:35:A:PHE:C	1:36:A:ASP:N	1:36:A:ASP:CA	1:36:A:ASP:C	31	1.44
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	36	1.44
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	29	1.44
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	20	1.43
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	30	1.43
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	28	1.43
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	2	1.43
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	14	1.43
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	23	1.42
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	39	1.42
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	27	1.41
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	30	1.41
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	14	1.41

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	2	1.41
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	10	1.4
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	4	1.4
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	25	1.39
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	2	1.38
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	32	1.38
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	14	1.38
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	25	1.38
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	14	1.38
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	25	1.38
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	23	1.38
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	25	1.38
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	35	1.38
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	29	1.37
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	11	1.37
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	24	1.37
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	27	1.37
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	24	1.37
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	7	1.36
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	20	1.36
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	22	1.36
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	39	1.35
(1,152)	1:84:A:ARG:C	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	26	1.35
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	16	1.35
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	5	1.35
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	6	1.35
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	37	1.35
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	24	1.34
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	21	1.34
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	10	1.34
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	15	1.34
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	25	1.33
(1,157)	1:87:A:PRO:N	1:87:A:PRO:CA	1:87:A:PRO:C	1:88:A:ARG:N	34	1.33
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	9	1.33
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	21	1.33
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	21	1.32
(1,157)	1:87:A:PRO:N	1:87:A:PRO:CA	1:87:A:PRO:C	1:88:A:ARG:N	40	1.32
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	5	1.32
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	28	1.32
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	1	1.32
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	5	1.32
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	20	1.31
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	25	1.31
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	34	1.31
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	28	1.31
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	31	1.31
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	31	1.3
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	35	1.3
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	21	1.3
(1,109)	1:62:A:ARG:N	1:62:A:ARG:CA	1:62:A:ARG:C	1:63:A:CYS:N	8	1.3
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	13	1.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	16	1.3
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	6	1.3
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	30	1.29
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	31	1.29
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	23	1.29
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	27	1.28
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	26	1.28
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	1	1.27
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	2	1.27
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	22	1.27
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	2	1.26
(1,109)	1:62:A:ARG:N	1:62:A:ARG:CA	1:62:A:ARG:C	1:63:A:CYS:N	2	1.26
(1,57)	1:34:A:SER:C	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	32	1.26
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	17	1.26
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	25	1.26
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	40	1.26
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	19	1.25
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	28	1.25
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	35	1.25
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	32	1.25
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	5	1.25
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	25	1.24
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	15	1.24
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	10	1.23
(1,157)	1:87:A:PRO:N	1:87:A:PRO:CA	1:87:A:PRO:C	1:88:A:ARG:N	6	1.23
(1,152)	1:84:A:ARG:C	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	37	1.23
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	1	1.23
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	26	1.23
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	34	1.23
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	35	1.23
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	25	1.22
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	22	1.22
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	12	1.22
(1,59)	1:35:A:PHE:C	1:36:A:ASP:N	1:36:A:ASP:CA	1:36:A:ASP:C	8	1.22
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	35	1.21
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	30	1.21
(1,112)	1:63:A:CYS:C	1:64:A:HIS:N	1:64:A:HIS:CA	1:64:A:HIS:C	10	1.21
(1,109)	1:62:A:ARG:N	1:62:A:ARG:CA	1:62:A:ARG:C	1:63:A:CYS:N	33	1.21
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	20	1.21
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	39	1.21
(1,19)	1:14:A:LYS:C	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	33	1.21
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	28	1.2
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	32	1.2
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	1	1.2
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	32	1.2
(1,109)	1:62:A:ARG:N	1:62:A:ARG:CA	1:62:A:ARG:C	1:63:A:CYS:N	14	1.2
(1,108)	1:61:A:GLY:C	1:62:A:ARG:N	1:62:A:ARG:CA	1:62:A:ARG:C	14	1.2
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	29	1.2
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	29	1.2
(1,154)	1:85:A:LEU:C	1:86:A:GLU:N	1:86:A:GLU:CA	1:86:A:GLU:C	28	1.19
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	24	1.19

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,19)	1:14:A:LYS:C	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	9	1.19
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	40	1.18
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	4	1.18
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	39	1.17
(1,126)	1:70:A:ASN:C	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	4	1.17
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	37	1.16
(1,103)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:ASP:N	38	1.16
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	35	1.16
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	40	1.16
(1,19)	1:14:A:LYS:C	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	30	1.16
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	34	1.15
(1,126)	1:70:A:ASN:C	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	38	1.15
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	37	1.14
(1,126)	1:70:A:ASN:C	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	36	1.14
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	39	1.14
(1,19)	1:14:A:LYS:C	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	38	1.14
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	10	1.14
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	18	1.14
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	14	1.13
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	27	1.13
(1,126)	1:70:A:ASN:C	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	6	1.12
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	25	1.12
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	32	1.12
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	35	1.12
(1,21)	1:15:A:ARG:C	1:16:A:ILE:N	1:16:A:ILE:CA	1:16:A:ILE:C	22	1.12
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	27	1.12
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	23	1.11
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	34	1.11
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	38	1.11
(1,109)	1:62:A:ARG:N	1:62:A:ARG:CA	1:62:A:ARG:C	1:63:A:CYS:N	5	1.11
(1,57)	1:34:A:SER:C	1:35:A:PHE:N	1:35:A:PHE:CA	1:35:A:PHE:C	35	1.11
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	21	1.1
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	33	1.1
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	3	1.1
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	34	1.1
(1,126)	1:70:A:ASN:C	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	16	1.09
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	27	1.08
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	28	1.08
(1,152)	1:84:A:ARG:C	1:85:A:LEU:N	1:85:A:LEU:CA	1:85:A:LEU:C	40	1.08
(1,126)	1:70:A:ASN:C	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	10	1.08
(1,126)	1:70:A:ASN:C	1:71:A:VAL:N	1:71:A:VAL:CA	1:71:A:VAL:C	31	1.08
(1,109)	1:62:A:ARG:N	1:62:A:ARG:CA	1:62:A:ARG:C	1:63:A:CYS:N	23	1.08
(1,92)	1:53:A:GLN:N	1:53:A:GLN:CA	1:53:A:GLN:C	1:54:A:LYS:N	36	1.08
(1,83)	1:47:A:THR:C	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	36	1.08
(1,109)	1:62:A:ARG:N	1:62:A:ARG:CA	1:62:A:ARG:C	1:63:A:CYS:N	12	1.07
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	19	1.07
(1,171)	1:94:A:THR:N	1:94:A:THR:CA	1:94:A:THR:C	1:95:A:ALA:N	28	1.06
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	19	1.06
(1,157)	1:87:A:PRO:N	1:87:A:PRO:CA	1:87:A:PRO:C	1:88:A:ARG:N	31	1.06
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	24	1.06
(1,157)	1:87:A:PRO:N	1:87:A:PRO:CA	1:87:A:PRO:C	1:88:A:ARG:N	38	1.05

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,19)	1:14:A:LYS:C	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	5	1.05
(1,162)	1:89:A:GLY:C	1:90:A:GLU:N	1:90:A:GLU:CA	1:90:A:GLU:C	7	1.04
(1,128)	1:71:A:VAL:C	1:72:A:THR:N	1:72:A:THR:CA	1:72:A:THR:C	11	1.04
(1,157)	1:87:A:PRO:N	1:87:A:PRO:CA	1:87:A:PRO:C	1:88:A:ARG:N	22	1.03
(1,157)	1:87:A:PRO:N	1:87:A:PRO:CA	1:87:A:PRO:C	1:88:A:ARG:N	39	1.03
(1,125)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:VAL:N	37	1.03
(1,108)	1:61:A:GLY:C	1:62:A:ARG:N	1:62:A:ARG:CA	1:62:A:ARG:C	35	1.03
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	19	1.03
(1,15)	1:12:A:PHE:C	1:13:A:THR:N	1:13:A:THR:CA	1:13:A:THR:C	8	1.03
(1,134)	1:74:A:ASP:C	1:75:A:ASP:N	1:75:A:ASP:CA	1:75:A:ASP:C	29	1.02
(1,109)	1:62:A:ARG:N	1:62:A:ARG:CA	1:62:A:ARG:C	1:63:A:CYS:N	28	1.02
(1,97)	1:56:A:ASN:N	1:56:A:ASN:CA	1:56:A:ASN:C	1:57:A:PHE:N	36	1.02
(1,45)	1:28:A:THR:C	1:29:A:PHE:N	1:29:A:PHE:CA	1:29:A:PHE:C	13	1.02
(1,19)	1:14:A:LYS:C	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	2	1.02
(1,19)	1:14:A:LYS:C	1:15:A:ARG:N	1:15:A:ARG:CA	1:15:A:ARG:C	3	1.02
(1,5)	1:7:A:ALA:C	1:8:A:GLU:N	1:8:A:GLU:CA	1:8:A:GLU:C	19	1.02
(1,160)	1:88:A:ARG:C	1:89:A:GLY:N	1:89:A:GLY:CA	1:89:A:GLY:C	28	1.01
(1,158)	1:87:A:PRO:C	1:88:A:ARG:N	1:88:A:ARG:CA	1:88:A:ARG:C	6	1.01
(1,157)	1:87:A:PRO:N	1:87:A:PRO:CA	1:87:A:PRO:C	1:88:A:ARG:N	21	1.01
(1,84)	1:48:A:GLU:N	1:48:A:GLU:CA	1:48:A:GLU:C	1:49:A:LEU:N	10	1.01
(1,59)	1:35:A:PHE:C	1:36:A:ASP:N	1:36:A:ASP:CA	1:36:A:ASP:C	30	1.01
(1,25)	1:17:A:GLN:C	1:18:A:ASN:N	1:18:A:ASN:CA	1:18:A:ASN:C	19	1.01